

October 28, 2019

Mr. Todd Davis Site Assessment Manager U.S. Environmental Protection Agency, Region 7 11201 Renner Blvd. Lenexa, Kansas 66219

**Subject:** Phase I Targeted Brownfields Assessment

Callahan Property, 210 Strecker Road Wildwood, St. Louis County, Missouri

U.S. EPA Region 7, START 5, Contract No. 68HE0719D0001

Task Order No. 19F0101.001

Task Monitor: Todd Davis, Site Assessment Manager

Dear Mr. Davis:

Tetra Tech, Inc. is submitting the enclosed Phase I Targeted Brownfields Assessment (TBA) report regarding the Callahan Property site (the Site) at 210 Strecker Road, Wildwood, St. Louis County, Missouri. The goal of the TBA Phase I is to identify recognized environmental conditions (REC), historical RECs, and controlled RECs associated with the subject property. This TBA Phase I was completed in accordance with industry standard practice for Phase I Environmental Site Assessments.

If you have any questions or comments regarding this submittal, please call the Project Manager at (816) 412-1961.

Sincerely,

Ann Marie Pohlman START Project Manager

Ted Faile, PG, CHMM START Program Manager

**Enclosures** 

cc: Randy Schademann, START Project Officer (cover letter only)

Cody McLarty, Alternate START Project Officer (cover letter only)

## PHASE I TARGETED BROWNFIELDS ASSESSMENT

## CALLAHAN PROPERTY 210 STRECKER ROAD WILDWOOD, MISSOURI

# Superfund Technical Assessment and Response Team (START) 5 Contract Contract No. 68HE0719D0001, Task Order 19F0101.001

Prepared For:

U.S. Environmental Protection Agency Region 7 11201 Renner Blvd. Lenexa, Kansas 66219

October 28, 2019

Prepared By:

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#### **EXECUTIVE SUMMARY**

The Tetra Tech, Inc. (Tetra Tech) Region 7 Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division to conduct a Phase I Targeted Brownfields Assessment (TBA) at the Callahan Property (subject property), at 210 Strecker Road in Wildwood, St. Louis County, Missouri.

The subject property is owned by Debbie Shelton. The subject property has historically and is currently wooded and pasture land with a barn and pond. According to the EPA, the City of Wildwood would develop the property into residential housing.

The City of Wildwood requested assistance under the TBA program from EPA Region 7 to assess current environmental conditions at the subject property. START generally conducted this Phase I TBA in accordance with the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International (ASTM) designation E 1527-13, and otherwise in compliance with EPA's "All Appropriate Inquiries" Rule (AAI Rule) (40 *Code of Federal Regulations* [CFR] Part 312).

Purposes of the Phase I TBA were to identify recognized environmental conditions (REC), historical RECs (HREC), and controlled RECs (CREC) associated with the subject property, and to identify the nature of contamination and risks posed by the contamination, if present.

## **Findings and Opinions**

The following findings and opinions resulted from the TBA, primarily based on interviews, a site reconnaissance, previous investigations, and examination of historical documentation:

• According to Environmental Data Resources, Inc. (EDR), the subject property is part of the Ellisville Site, a regional National Priorities List (NPL) site that includes the Callahan property (28 acres), the Rosalie property (85 acres), and the Bliss property (12 acres). The subject property is part of the Callahan property. The Ellisville Site is listed in the NPL, Superfund Enterprise Management System (SEMS), U.S. Engineering Controls (US ENG CONTROLS), Records of Decision (ROD), Potentially Responsible Party (PRP), and Integrated Compliance Information System (ICIS) databases. The Ellisville Site is currently identified on the final NPL because of contamination dating back to 1980.

Several investigations and removal actions have taken place on the subject property (Callahan Property) from 1980 to 2015 to address illegal dumping including buried drums and possibly other waste materials. According to the Memorandum-Evaluation of Post-Removal and Historical Data Representative of Current Conditions report from 2015, current conditions of the Callahan property are adequately characterized, and all dioxins and furans, metals,

polychlorinated biphenyls (PCB), semivolatile organic compounds (SVOC), and volatile organic compounds (VOC) remaining in surface and subsurface soil are at concentrations below levels of concern for all potential users of the property, including residents (EPA 2015). Based on historical contamination present on the subject property and its listing on the NPL, these listings pose an HREC to the subject property.

- Review of historical documents revealed that the barn on the subject property was built between 1980 and 1986. As part of this TBA, x-ray fluorescence (XRF) screening of paint in the barn occurred to determine whether lead-based paint (LBP) was present, and samples of suspect asbestos-containing building materials (ACBM) were collected from the barn and analyzed.
- None of the 16 XRF readings of suspected LBP from painted surfaces in the barn indicated a lead concentration exceeding 1.0 milligram per square centimeter (mg/cm<sup>2</sup>), the benchmark for LBP.
- None of the three samples of suspected ACBM (linoleum) in the barn contained asbestos.
- Small amounts of "household" hazardous waste (HHW), such as paint, stain remover, and root killer, were observed in the barn on the subject property.

### Recommendations

Based on results of this Phase I TBA, the HREC related to the property does not warrant further investigation prior to residential development; however, START recommends proper disposal of the HHW and hazardous materials inventoried prior to renovation or demolition of the subject property buildings, based on characteristics of those materials.

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#### 1.0 INTRODUCTION

The Tetra Tech, Inc. (Tetra Tech) Region 7 Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division to conduct a Phase I Targeted Brownfields Assessment (TBA) at the Callahan Property (subject property), at 210 Strecker Road in Wildwood, St. Louis County, Missouri.

The subject property is owned by Debbie Shelton. The subject property has historically and is currently wooded and pasture land with a barn and pond. According to the EPA, the City of Wildwood would develop the property into residential housing.

The City of Wildwood requested assistance under the TBA program from EPA Region 7 to assess current environmental conditions at the subject property. START conducted this Phase I TBA in accordance with the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM International (ASTM) designation E 1527-13, and otherwise in compliance with EPA's "All Appropriate Inquiries" Rule (AAI Rule) (Title 40 *Code of Federal Regulations* [CFR] Part 312). For the purpose of this Phase I TBA, the *users* are defined as the EPA Region 7, the City of Wildwood and Debbie Shelton (ASTM 2013 [Section 3.2.98]). EPA tasked START to conduct a Phase I TBA of the subject property to identify recognized environmental conditions (REC), historical RECs (HREC), and controlled RECs (CREC) to the subject property, and to identify the nature of contamination and risks posed by the contamination, if present (see Appendix A).

### 1.1 PURPOSE

A primary goal of this Phase I TBA is to identify RECs, HRECs, and CRECs to the subject property. A REC is presence or likely presence of any hazardous substance or petroleum product in, on, or at a subject property: (1) due to any release to the environment, (2) under conditions indicative of a release to the environment, or (3) under conditions that pose a material threat of a future release to the environment. The term includes hazardous substances or petroleum products, even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies (ASTM 2013 [Section 1.1.1]). An HREC is a past release of any hazardous substance or petroleum product that has occurred in connection with the subject property and has been addressed to the satisfaction of the applicable regulatory authority, or has met unrestricted use criteria established by a regulatory authority without imposition on the subject property of any required controls (ASTM 2013 [Section 3.2.42]).

A CREC is a REC resulting from past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (ASTM 2013 [Section 3.2.18]).

This Phase I TBA is intended to satisfy one of the requirements for the innocent landowner defense, the contiguous property exemption, and the bona fide prospective purchaser exemption to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the subject property consistent with good customary practice," as defined in 42 *U.S. Code* Section 9601 (35)(B).

### 1.2 SCOPE OF WORK

EPA developed a scope of work (SOW) for Phase I TBA activities at the subject property. The SOW, based on ASTM designation E1527-13, was to identify RECs, HRECs, and CRECs to the subject property. Phase I TBAs typically are conducted in a four-phase process, including: (1) records review; (2) site reconnaissance; (3) interviews with current and previous owners and occupants of the subject property, adjacent property owners and occupants, and local government agencies; and (4) preparation of a report. The EPA SOW is included as Appendix A.

Any items listed in the ASTM standard that the report does not specifically identify as present can be assumed not present within the subject property or within such distance to the subject property as to be of potential concern to the subject property. Any item mentioned but not specifically identified as a REC, HREC, or CREC can be assumed not a REC, HREC, or CREC.

### 1.3 SIGNIFICANT ASSUMPTIONS

The following are beyond the scope of this evaluation: sampling and analysis for radon in indoor air, and for lead in drinking water; evaluations of indoor and/or outdoor air quality, regulatory compliance, industrial hygiene, and noise impacts; and identification of geological or geotechnical hazards.

## 1.4 **DEVIATIONS**

Deletions or deviations from ASTM E 1527-13 or the SOW are as follows. For each deviation noted, the Tetra Tech Environmental Professional (EP) has conducted an analysis of the data gaps or failures, and impacts of these on Tetra Tech's ability to render an opinion regarding conditions indicative of releases or threatened releases of petroleum products or hazardous substances.

- Time gaps of more than 5 years were noted in available historical information. Documentation and observations indicate that the subject property has been undeveloped wooded and pasture land with a barn and pond. The EP believes that presence of time gaps does not impact ability to render an opinion regarding RECs.
- No interviews with adjacent property owners or occupants were conducted. ASTM Practice E 1527-13 does not require interviews with adjacent property owners unless a property has been abandoned and potential unauthorized uses or evidence of uncontrolled access to the abandoned property is evident. Although part of the property is undeveloped and has uncontrolled access, the EP believes that information obtained from other adjacent property owners or occupants likely would not have a significant impact on the finding of this Phase I.

## 1.5 LIMITATIONS AND EXCEPTIONS

This report was based partially on information supplied to START from outside sources and on other information available in the public domain. Conclusions and opinions reported herein are based on the information START obtained in compiling the report. This information is on file at START's office in Kansas City, Missouri. START makes no warranty as to the accuracy of statements made by others that may be conveyed in the report; nor are any other warranties or guarantees, expressed or implied, included or intended by the report except that it has been prepared in accordance with current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing the same or similar services. Because the facts forming the basis for the report are subject to professional interpretation, differing conclusions could be reached. START does not assume responsibility for discovery and elimination of hazards that could cause accidents, injuries, or damage. Compliance with submitted recommendations or suggestions does not assure elimination of hazards or fulfillment of the client's obligations under local, state, or federal laws or any modifications or changes to such laws. None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature, but shall be a representation of findings of fact from records examined.

## 1.6 SPECIAL TERMS AND CONDITIONS

There were no special terms or conditions for the Phase I TBA.

## 1.7 STATEMENT OF USER RELIANCE

START is not required to verify independently the information provided to it by the user or gathered throughout the course of this Phase I TBA. EPA Region 7, the City of Wildwood, and Debbie Shelton (current owner of the subject property) may rely on information conveyed in this report unless knowledge is possessed that certain information is incorrect based on additional information obtained during the Phase I TBA or otherwise known by the person preparing this report.

## 2.0 SITE DESCRIPTION

This section briefly describes the subject property and the physical setting based on information obtained from EPA Region 7, current facility owners, and a records review prior to the site reconnaissance. Observations during the site reconnaissance regarding current land use at the subject property and adjoining properties are described in Section 4.0.

## 2.1 SITE LOCATION AND LEGAL DESCRIPTION

The subject property is at 210 Strecker Road in Wildwood, St. Louis County, Missouri. The subject property encompasses 7.51 acres and consists of predominantly wooded and pasture land, with a barn, pond, and gravel driveway located on the property.

The subject property is included on the Manchester and Eureka, Missouri, U.S. Geological Survey (USGS) 7.5-minute topographic series maps (USGS 1981) (see Appendix B, Figure 1). The subject property is in southeast ¼ of Section 31 of Township 45 North, Range 4 East. Coordinates at the approximate center of the subject property are 38.5965740 degrees north latitude and 90.6054700 degrees west longitude. The parcel identification number for the subject property is 22U220242 (St. Louis County Geographic Information System Website 2018).

## 2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The 7.51-acre subject property is within a predominantly residential area of Wildwood. The subject property consists of predominantly wooded and pasture land, with a barn and pond on the property. Access is provided via a gravel driveway that extends south-southeast from Strecker Road. The subject property is bounded north by Strecker Road with undeveloped, wooded land and residential properties beyond; east by residential properties, with Strecker Road and residential properties beyond; south by undeveloped, wooded land with residential properties beyond; and west by residential properties with residential properties beyond.

## 2.3 CURRENT AND PAST USES OF THE SITE

Based on a review of historical sources, the subject property was developed with a barn between 1980 and 1986. The pond was present as early as 1974. The subject property currently includes a barn, pond, gravel driveway, and undeveloped wooded and pasture land. A fence running along the northern property boundary has a locked gate that provides access off Strecker Road; partial fenced areas are along the eastern and western property boundaries. Historical documents and interviews indicate that the subject

property was previously undeveloped wooded and pasture land with a barn and pond, and that horses were previously on the property.

## 2.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS ON THE SITE

The subject property consists of mostly undeveloped, wooded and pasture land. A barn, pond, and gravel driveway are also on the subject property. The gravel driveway extends south-southeast from Strecker Road to the barn in the central portion of the subject property. The pond is on the western portion of the subject property. A fence running along the northern property boundary has a locked gate that provides access off Strecker Road; partial fenced areas are along the eastern and western property boundaries. The subject property currently is not served by municipal utilities, including electricity, gas, and sewer. Electricity was connected via a line run from the residential house east of the subject property; however, the line has been disconnected and currently, the subject property is not supplied electricity. Water is provided to the subject property via a water line running from the residential house east of the subject property. Missouri American Water provides water service to that residential property east of the subject property.

## 2.5 CURRENT AND PAST USES OF ADJOINING/SURROUNDING PROPERTIES

The subject property is bounded north by Strecker Road with undeveloped, wooded land and residential properties beyond; east by residential properties with Strecker Road and residential properties beyond; south by undeveloped, wooded land with residential properties beyond; and west by residential properties with residential properties beyond.

According to a review of historical documents, the area surrounding the subject property has historically been used for residential purposes.

# 2.6 GEOLOGIC, HYDROGEOLOGIC, HYDROLOGIC, AND TOPOGRAPHIC CONDITIONS

The following sections describe the environmental setting of the subject property and surrounding area.

## 2.6.1 Topography

The subject property is included on the Manchester and Eureka, Missouri, U.S. Geological Survey (USGS) 7.5-minute topographic series maps (USGS 1981) (see Appendix B, Figure 1). The subject property is approximately 712 feet above mean sea level. The topographic gradient of the area is

generally west (Environmental Data Resources, Inc. [EDR] 2018a). At the subject property, the topographic gradient and overall slope are generally to the south-southwest.

## 2.6.2 Geologic Setting

The subject property is in St. Louis County in eastern Missouri. Soils at the subject property consist of Goss very gravelly silt loam, Menfro silt loam, Goss silt loam, Urban land-Harvester complex, and Winfield silt loam (U.S. Department of Agriculture [USDA] 2018). The Goss series consists of well-drained very gravelly silt loam, silty clay loam, and cobbly clay. Slopes range from 14 to 45 percent. The Menfro series consists of well-drained silt and clay loam. Slopes range from 14 to 20 percent. Urban land soils have generally been modified by disturbance of the natural layers. The Harvester series consists of moderately well-drained silt and clay loam material. Slopes range from 9 to 20 percent. The Winfield series consists of moderately well-drained silt and clay loam. Slopes range from 9 to 14 percent (USDA 2018). Soil in the area are underlain by Ordovician rocks. The thick sequence of Ordovician strata mostly consists of dolomite and limestone interbedded with minor sandstone and shale, and includes a large number of geologic formations (USGS 1997).

## 2.6.3 Hydrogeology

The subject property is within the Ozark Plateaus Physiographic Province. The subject property does not lie within the Missouri River's 100- or 500-year floodplain. The Ozark Plateaus aquifer system extends throughout most of southern Missouri and consists of three aquifers separated by two confining units, all in consolidated rocks of Paleozoic age. The uppermost aquifer is in Mississippian carbonate rocks; stratigraphically equivalent carbonate rocks in northern Missouri are called the "Mississippian aquifer." The middle aquifer of the Ozark Plateaus aquifer system is in carbonate rocks of Cambrian and Ordovician age, and the lowermost aquifer in the system is in Cambrian sandstones. The confining units that separate the aquifers are dolomite and shale. Water in the Ozark Plateaus aquifer system is unconfined in and just downgradient of aquifer outcrop areas but is confined elsewhere (USGS 1997).

Groundwater in the Ozark Plateaus aquifer system locally moves from topographically high recharge areas to lower discharge areas such as streams. Regional movement is northwestward, eastward, and southward from the St. Francois Mountains and other topographically high areas in southern Missouri (USGS 1997).

Groundwater in the subject property area likely flows west toward Caulks Creek. Potable water in the subject property area is supplied by Missouri American Water via surface water intakes on the Missouri River.

## 2.6.4 Hydrology

Runoff from precipitation at the subject property drains via two drainage ditches to the south to a tributary of Caulks Creek, approximately 0.5 mile southwest of the subject property.

### 3.0 USER-PROVIDED INFORMATION

The following section summarizes information regarding the TBA provided by EPA Region 7, the City (users), and current owner of the subject property (Debbie Shelton).

## 3.1 EXISTING STRUCTURE INFORMATION AND DRAWINGS

The subject property consists of undeveloped wooded and pasture land with a barn, pond, and gravel driveway. Drawings of the property were not provided.

### 3.2 SUMMARY OF TITLE INFORMATION

According to the St. Louis County Assessor, the subject property is owned by Jean E. Callahan Trustee, which is Debbie Shelton (St. Louis County Geographic Information System Website 2018). A copy of the current deed was not provided by Jean E. Callahan Trustee, Debbie Shelton. A chain of title search was performed, and is summarized in Section 6.2.1.

### 3.3 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

No environmental liens or activity and use limitations (AUL) were identified by START in the information provided.

## 3.4 SPECIALIZED KNOWLEDGE

Several investigations have occurred at the subject property, and are discussed in Section 6.2.6.

## 3.5 OWNER, SITE MANAGER, AND OCCUPANT INFORMATION

The subject property is owned by Debbie Shelton, who is the Jean E. Callahan Trustee. The subject property currently consists of undeveloped wooded and pasture land with a barn, pond, and gravel driveway. Debbie Shelton is considered the key site manager of the subject property.

## 3.6 REASON FOR PERFORMING PHASE I TBA

The City applied to the EPA for a TBA to be conducted on the subject property. This TBA intends to satisfy one of the requirements for the innocent landowner defense to CERCLA liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the property consistent with good customary practice," as defined in 42 *U. S. Code* Section 9601 (35)(B).

### 4.0 SITE RECONNAISSANCE

START members Ms. Ann Marie Pohlman and Mr. Dave Kinroth conducted the site reconnaissance on December 11, 2018. START members Ann Marie Pohlman and Megan Sawyer conducted lead-based paint (LBP), asbestos, and "household" hazardous waste (HHW) surveys on January 15, 2019. Access to the property was provided by Debbie Shelton's son, Chris Moore. Photographic documentation of the site reconnaissance is in Appendix C.

#### 4.1 METHODOLOGY AND LIMITING CONDITIONS

The site reconnaissance consisted of a visual inspection of the subject property in accordance with requirements set forth in 40 CFR Part 312. The purpose of the reconnaissance of the subject property was to seek out "conditions indicative of releases or threatened releases" as required by ASTM 1527-13. START conducted the reconnaissance of the subject property for evidence of the following:

- Use, storage, treatment, disposal, or generation of hazardous substances, "controlled substances," or petroleum products
- Landfills, dumps, or evidence of burial activities or solid waste disposal
- Aboveground storage tanks (AST), underground storage tanks (UST), drums, or containers capable of storing hazardous substances or petroleum products
- Transformers or other electrical or mechanical equipment potentially containing polychlorinated biphenyls (PCB)
- Evidence of petroleum-based heating fuel sources
- Drains, pits, sumps, cisterns, cesspools, or similar receptacles where liquids drain, collect, or are stored
- Pits, ponds, lagoons, or open pools likely to contain hazardous substances or petroleum products or waste
- Staining on pavement or areas of dead, distressed, discolored, or stained vegetation that may indicate RECs
- Grading or fill material that may indicate contaminated soils or dumping
- Chemical smells, petroleum gases, foul odors, wells, and/or other site-specific environmental conditions.

START mobilized to the subject property to observe current conditions and obtain additional information relevant to the Phase I TBA. START also observed exteriors of adjacent and select nearby properties to assess presence of environmental concerns.

Any items listed in the ASTM method not identified in this section can be assumed not present. Likewise, any item mentioned but not identified as a REC can be assumed not a REC. General recommendations regarding the subject property are offered in Section 8.0.

### 4.2 GENERAL SITE SETTING

The following sections describe the subject property's current and past uses, and exterior and interior features.

## 4.2.1 Site Description

The 7.51-acre subject property consists of undeveloped wooded and pasture land with a barn, pond, and gravel driveway. Figure 2 in Appendix B illustrates the subject property location and boundaries. The area surrounding the subject property is primarily residential.

## 4.2.2 Exterior Observations

The subject property consists of undeveloped, wooded and pasture land with a barn, pond, and gravel driveway. Access to the property is from a locked gate off Strecker Road. The barn is constructed with metal and wood, and has a dirt floor.

## 4.2.3 Interior Observations

The site reconnaissance included interior observations of the barn on the subject property. The barn is one-story, constructed on dirt. The barn includes a front area consisting of empty horse stables and a former office. The back area is used for storage of miscellaneous items. Interior finishes include wooden stables and support beams.

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## 4.3 SPECIFIC RECONNAISSANCE ITEMS

The following sections are related to items observed during the site reconnaissance.

#### **4.3.1** Hazardous Substances and Petroleum Products

Small amounts of paint in 1- and 5-gallon buckets were observed in the barn. A riding lawnmower containing gasoline and oil was also present in the barn. The containers and lawnmower appeared to be in good condition with no signs of leaking, and therefore do not pose a REC to the subject property.

### 4.3.2 Hazardous Waste

START noted HHW during the site reconnaissance on December 11, 2018, consisting of paint cans and other miscellaneous items. START completed an inventory of HHW and other potentially hazardous materials in the barn on the subject property on January 15, 2019. This inventory included but was not limited to the following types of materials: thermostats and fluorescent light bulbs possibly containing mercury, fluorescent light ballasts potentially containing PCBs, emergency lighting and exit signs that house batteries containing heavy metals, appliances containing Freon, product containers holding hazardous materials (such as cleaning supplies, paint, etc.), and any other HHW items that may have been present.

START used an inventory field sheet and went through every area in the barn on the subject property identifying, categorizing, and quantifying HHW and hazardous materials. START made every effort to provide a complete inventory of these items; however, START cannot guarantee an accounting of every item. The exterior of the building was not included in this inventory, based on professional judgment of the assessment team. Items at the subject property that would not be affected during any renovation activities—for example, pole-mounted transformers that may contain PCBs—were not included in the inventory. Notably, the assessment team walked the perimeter of the barn on the subject property to identify any drums or other large containers that may contain hazardous waste; at the time of this assessment, only one empty, unmarked 55-gallon drum fitting this description was identified outside the subject property building. A summary of HHW and hazardous materials inventoried during the survey is in Table 4-1 below.

TABLE 4-1
SUMMARY OF HAZARDOUS MATERIALS INVENTORY – BARN CALLAHAN PROPERTY – WILDWOOD, MISSOURI

Type of Household Hazardous Waste	Assessed Quantity
Lamps	
Fluorescent	
Compact Fluorescent (CFL)	
Neon	

## **TABLE 4-1 (Continued)**

# SUMMARY OF HAZARDOUS MATERIALS INVENTORY – BARN CALLAHAN PROPERTY – WILDWOOD, MISSOURI

Type of Household Hazardous Waste	Assessed Quantity
Non-PCB Ballasts	
Fluorescent	
Compact Fluorescent (CFL)	
Neon	
Batteries	
Smoke Detectors	
Emergency Lighting System	
Exit Signs	
Automobile	
Heating, Ventilation, and Air Conditioning	
Thermostats	
Boilers, Furnaces, Water Heaters, and Tanks	
Mercury flame sensor (adjacent to pilot lights)	
Control Switches	
Polychlorinated Biphenyls (PCB): transformers, light ballasts	
Transformers	
PCB Ballasts	
Non-PCB Ballasts	
Chlorofluorocarbons (CFC) and Hydrochlorofluorocarbons (HCFC)	
Refrigerants	
Air Conditioners	
Water Fountains	
Fire Extinguishers Others	
Others	
Other: misc. hazardous wastes, household hazardous wastes, oils	
Computers	
Other electronic recyclables	
Oils, containers	
,	10, 1-gallon and 1.5-gallon
Paints	containers
Solvents	
Hydraulic lifts	
Elevator	
Tanks (aboveground, underground)	
Others (describe) Tires, Large	1
Others (describe) Paint	8, 5-gallon buckets
Others (describe) Stain Remover	2 cans
Others (describe) Root Killer	1 liter
Others (describe) Quikrete	6 bags
Others (describe) Magic Melt (Ice melt)	8 bags
Others (describe) Pellets	4 bags

Small amounts of HHW, such as paint, stain remover, and root killer, were observed in the barn on the subject property. All of the containers appeared to be in good condition with no signs of leaking, and therefore do not pose a REC to the subject property.

## 4.3.3 Landfills, Dumps, Burials, or Solid Waste Disposal

Empty 5-gallon buckets containing trash and other miscellaneous items, such as tables, chairs, and siding, were observed in the barn. An empty, unmarked, 55-gallon drum was observed on the east side of the barn. The items did not appear hazardous and do not pose a REC to the subject property. Historically, an area south of the pond was a location of buried paint drums. This area has been remediated and is discussed in more detail in Section 6.2.6. No recent surface disturbance or evidence of dumping was observed during the site reconnaissance. The historical dump area is considered an HREC.

## 4.3.4 Storage Tanks

## **USTs**

No visual evidence of past or present on-site USTs—including pipes, pumps, or stains—was apparent during the site reconnaissance which concurs with the findings of a geophysical survey performed in 2012.

## **ASTs**

No visual evidence of past or present on-site ASTs was observed during the site reconnaissance.

## 4.3.5 Polychlorinated Biphenyls-containing Equipment

Two pole-mounted electrical transformers were observed near the northern portion of the subject property along Strecker Road. Non-PCB placards were not observed on the transformers. No leaking or staining was observed in the vicinity of the transformers; therefore, the transformers do not pose a REC to the subject property.

### 4.3.6 Heating, Ventilation, and Air Conditioning System and Fuel Source

Currently, no heating, ventilation, and air conditioning are provided to the subject property. Electricity is not supplied to the subject property. Water is provided to the subject property via a water line run from the residential house east of the subject property. Missouri American Water provides water service to that residential property east of the subject property.

## 4.3.7 Drains, Sumps, Pools of Liquids, Standing Water, Cisterns, and Cesspools

No drains, sumps, pools of liquids, cisterns, or cesspools were observed on the subject property. One low-lying area with standing water was observed in a small area east of the barn. The site reconnaissance did not indicate any evidence of recent discharges of potential waste liquids at the site.

## 4.3.8 Pits, Ponds, and Lagoons

One pond was observed on the western portion of the subject property. Presence of the pond does not pose a REC to the subject property. No other pits or lagoons were observed on the property.

## 4.3.9 Stains or Corrosion and Stained Soil or Pavement

No corrosion or stained soil was observed on the subject property.

## 4.3.10 Areas of Dead, Distressed, Discolored, or Stained Vegetation

No areas of dead, distressed, discolored, or stained vegetation that would indicate RECs were observed on the subject property during the site reconnaissance.

## 4.3.11 Possible Fill, Grading, or Solid Waste Disposal

Fill and grading have occurred on the subject property associated with the buried paint drums south of the pond. No evidence of recent solid waste disposal was identified during the site reconnaissance.

## 4.3.12 Smells of Chemical Gases, Petroleum Products, or Noxious Odors

No smells of chemical gases or petroleum products were noted at the time of the site reconnaissance.

### 4.3.13 Wastewater and Stormwater Systems and Discharges

Stormwater at the subject property either infiltrates the ground or flows via two drainage ditches to the south to a tributary of Caulks Creek, approximately 0.5 mile southwest of the subject property.

## 4.3.14 Wells and Potable Water Supply

Three groundwater monitoring wells were previously present at the subject property and were associated with the Bliss-Ellisville site. MDNR records indicate that the wells were installed by MDNR in September and October 2011 and that all three wells were abandoned in 2013 (MDNR 2019). No other

wells were observed on the property. Potable water is provided to the subject property via a water line run from the residential house east of the subject property. Missouri American Water provides water service to that residential property east of the subject property.

### 4.3.15 Lead-based Paint

ASTM Practice E 1527-13 does not require a survey or testing for presence of LBP. The EP preparing this report has reviewed the site history and site reconnaissance data such that an educated opinion could be rendered regarding location and condition of suspect LBP. This opinion shall by no means constitute confirmation of presence or absence of LBP. LBP was used mainly prior to 1980, when use began to decline in the United States. It was commonly used to paint interior and exterior surfaces.

U.S. Department of Housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of LBP in Housing* (1997) suggests that paint applied before 1978 could contain lead.

START performed an LBP survey on the subject property on January 15, 2019. START made every effort to inspect all areas of the barn. An x-ray fluorescence (XRF) screening of suspected LBP proceeded according to protocols similar to the single-family housing inspection procedures in the HUD *Guidelines*. START utilized a Thermo Scientific XL3t-600 XRF analyzer to conduct the LBP screening. The Thermo Scientific XL3t-600 is a state-of-the-art XRF spectrum analyzing system for quantitative measurement of lead in paint on various substrates. START utilized the XRF "Lead Paint Mode" for testing, standardized per the equipment instruction manual, and programmed the unit with an action level of 1.0 milligram per square centimeter (mg/cm²). The XL3t-600 XRF spectrometer automatically adjusts measurement time to be the least time needed to make a definitive measurement based on the action level. Paint containing greater than or equal to 1.0 mg/cm² lead by XRF testing or 1.0 mg/cm² lead by laboratory analysis is considered LBP.

A summary of screening results for LBP by use of the XRF spectrometer at the subject property appears in Table 4-2 below.

TABLE 4-2
SUMMARY OF RESULTS FROM SCREENING FOR LBP
210 STRECKER ROAD, WILDWOOD, MISSOURI

Paint Color	Location	Component	Substrate	XRF Reading (mg/cm²)	Damaged*	Quantity
White	South Exterior	Garage Door Frame	Metal	0.01	No	NA
Cream	South Exterior	Wall	Metal	0.02	No	NA
Red	Southeast Exterior	Wall	Metal	0.22	No	NA
Red	North Exterior	Garage Door	Metal	0.05	No	NA
White	North Exterior	Office Door	Metal	0.03	No	NA
Red	Office Interior	Wall Trim	Wood	0.03	No	NA
White	Office Interior	Wall	Wood	0.28	No	NA
Varnish	Office Interior	Door	Wood	0.05	No	NA
White	Office Interior	Wall	Wood	0.01	No	NA
Black	Stall	Wall	Wood	0.40	No	NA
White	Stall	Wall	Wood	0.06	No	NA
White	South area, Interior	Wall	Metal	0.04	No	NA
White	Interior	Garage Door	Metal	0.08	No	NA
Cream	Southwest Exterior	Wall	Metal	0.06	No	NA
Red	Southwest Exterior	Wall Corner	Metal	0.16	No	NA
Cream	Southwest Exterior	Wall	Metal	0.28	No	NA

## Notes:

mg/cm<sup>2</sup> Milligrams per square centimeter

ID Identification
LBP Lead-based paint
NA Not applicable
XRF X-ray fluorescence

None of the 16 XRF readings of suspected LBP from painted surfaces in the barn on the subject property indicated reportable lead concentrations exceeding 1.0 mg/cm<sup>2</sup>.

## 4.3.16 Asbestos-containing Building Materials

ASTM Practice E 1527-13 does not require testing for presence of asbestos-containing building materials (ACBM) as part of a Phase I Environmental Site Assessment (ESA). The EP preparing this report has

<sup>\*</sup> This column identifies damaged LBP surfaces. If no damage is present prior to demolition activities, preliminary removal of chipping and peeling paint is not necessary prior to the encapsulation process.

reviewed the site history and performed a site inspection such that an educated opinion regarding location and condition of suspect ACBMs could be rendered. This opinion shall by no means constitute confirmation of presence or absence of ACBMs. Based on types of building materials used at the subject property, ACBMs may be present. Users of this report should be aware of possible presence of ACBMs and conduct any renovation or demolition accordingly. START performed an asbestos survey on the subject property on January 15, 2019.

START made every effort to inspect all areas of the interior of the barn on the subject property. Minor demolition of materials (destructive sampling) was required during the survey effort. The inspector took care to ensure that the subject property remained unoccupied during sample collection. Asbestos samples were collected in accordance with National Emission Standards for Hazardous Air Pollutants (NESHAP) as adopted by EPA, and Asbestos Hazard and Emergency Response Act of 1986 (AHERA) protocols. AHERA defines "asbestos-containing material" (ACM) as any material or product that contains more than 1 percent (%) asbestos. Suspected ACMs were grouped as homogeneous areas if the material was similar in appearance and texture; however, if the inspector decided that a material (for example, wall texturing) was not similar in appearance and texture to other materials in the subject property building, the inspector distinguished the material as unique and collected samples of each unique material accordingly. Because of limitations on destructive sampling methods, additional suspect materials not detected may be present in walls, voids, or other concealed areas.

Bulk samples of suspected ACM were collected to ensure that each distinct layer of material was represented in the sample. All samples collected were placed in plastic bags, labeled, and sealed immediately upon collection. To prevent cross-contamination between samples, the sampling instruments were wiped clean by use of a wet, lint-free cloth after collection of each sample. A unique sample identification number was assigned to each sample.

The samples remained in the inspector's custody until sent to the laboratory. Upon completion of sampling activities, the bulk samples were sent, along with START's chain-of-custody documentation, to QuanTEM Laboratories (QuanTEM). Suspect ACM samples were analyzed per EPA Method 600/R-93/116 by QuanTEM via Polarized Light Microscopy (PLM) analysis. QuanTEM is a National Voluntary Laboratory Accreditation Program (NVLAP)-certified laboratory. Sample locations are shown on Figure 3 in Appendix B. Appendix D includes ACM analytical results and chain-of-custody forms for the bulk samples. A summary of analytical results from samples of suspect ACM collected at the barn on the subject property is in Table 4-3 below.

TABLE 4-3
SUMMARY OF RESULTS FROM LABORATORY ANALYSES FOR SUSPECT ACM 210 STRECKER ROAD, WILDWOOD, MISSOURI

Figure Key	Sample ID	Material Description	Material Locations	Friable (F)/ Non- Friable (NF)	Analytical Result (% ACM*)	Quantity
1	LIN-1	White and Tan Speckled Sheet Flooring			ND	
2	LIN-2		Office	NF	ND	100 SF
3	LIN-3	Sheet Flooring			ND	

#### Notes:

The color description of a material may vary between the field observations and the laboratory description.

\* AHERA defines ACM as any material or product that contains more than 1 percent asbestos.

% Percent

ACM Asbestos-containing material

AHERA Asbestos Hazard and Emergency Response Act of 1986

ID Identification ND Not detected SF Square feet

None of the three suspected ACM samples of linoleum in the barn on the subject property contained asbestos.

## **4.3.17** Other Site-specific Environmental Conditions

No other site-specific environmental conditions were noted during the site reconnaissance.

## 4.4 VICINITY RECONNAISSANCE

The area surrounding the site is primarily occupied by residential properties. The subject property is bounded north by Strecker Road with undeveloped, wooded land and residential properties beyond; east by residential properties with Strecker Road and residential properties beyond; south by undeveloped, wooded land with residential properties beyond; and west by residential properties with residential properties beyond.

### 5.0 INTERVIEWS

The objective of conducting interviews is to obtain information concerning RECs in connection with the subject property. This information was obtained verbally and in written form, as indicated below. Interviewees were cooperative and forthcoming with information, unless otherwise specified. Interview documentation is in Appendix E.

## 5.1 INTERVIEW WITH OWNER

The subject property is owned by Debbie Shelton, Jean E. Callahan Trustee. Ms. Shelton completed a user questionnaire pertaining to the subject property. According to Ms. Shelton, she was aware of the previous buried drum removal and remediations and has knowledge of valuation reduction for the subject property due to those activities. Ms. Shelton stated that previously horses were present on the subject property. The completed user questionnaire is in Appendix E.

Ms. Shelton was not aware of: (1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; (2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or (3) any notices from any government entity regarding any possible environmental violations relating to hazardous substances or petroleum products for the subject property.

## 5.2 INTERVIEWS WITH KEY SITE MANAGER

Ms. Shelton is considered the key site manager of the subject property and was interviewed as described above.

## 5.3 INTERVIEWS WITH CURRENT OCCUPANTS

Because the subject property currently has no occupants, interviews with current occupants did not occur.

## 5.4 INTERVIEWS WITH PAST SITE OWNERS/OCCUPANTS

No interviews were conducted with past subject property owners or occupants, as they probably would not have provided information to Tetra Tech not already provided by other sources.

## 5.5 INTERVIEWS WITH LOCAL/STATE GOVERNMENT OFFICIALS

START submitted a request for information to the Missouri Department of Natural Resources (MDNR). No records were found in MDNR's files (see Appendix E). START contacted the Metro West Fire Protection District twice; no response from the Fire Marshall had been received at the time this report was completed.

#### 6.0 RECORDS REVIEW

The purpose of the records review is to obtain and review records that will help identify RECs to the subject property.

## 6.1 ENVIRONMENTAL RECORDS SOURCES

The following sources of environmental records were accessed and reviewed as part of this assessment.

#### 6.1.1 Environmental Database Search

Federal, state, regional, and local records were reviewed to assess whether the subject property or facilities within the approximate minimum search distance have undergone significant unauthorized releases of hazardous substances or other events with potentially adverse environmental effects. EDR performed a database search of the subject property in accordance with ASTM E 1527-13. A copy of this report is in Appendix F.

The databases searched have been developed and are updated by federal, state, and local agencies. While these databases are reliable and comprehensive, instances of data out of date and no longer reflective of actual facility conditions have been reported. The Government Records Searched/Data Currency Tracking section of the EDR report in Appendix F identifies when each database was updated.

The database search identifies properties with environmental records from numerous federal, state, tribal, and local regulatory agencies, and distances of these properties from a specified geographic location (typically the perimeter of the subject property). The environmental databases searched and their recommended search radii are listed on pages 4 through 7 of Appendix F.

Facilities cited in the environmental database are summarized in Table 6-1. The subject property is not listed in any of the databases searched by EDR.

TABLE 6-1
SUMMARY OF REGULATORY AGENCY DATABASE REVIEW

Database Searched	Search Distance (miles)	Subject Property Identified	Number of Other Facilities within Search Distance			
Federal Records						
NPL	1.00	No	1			
SEMS	0.50	No	2			
SEMS-ARCHIVE	0.50	No	2			
US ENG CONTROLS	0.50	No	1			

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### **TABLE 6-1 (Continued)**

### SUMMARY OF REGULATORY AGENCY DATABASE REVIEW

Database Searched	Search Distance (miles)	Subject Property Identified	Number of Other Facilities within Search Distance				
State and Local Records							
MO SHWS	1.00	No	1				
	Additional Environmental Records						
RCRA-NonGen/NLR	RCRA-NonGen/NLR 0.25 No 2						
ROD	1.00	No	1				
SMARS	0.50	No	1				
<b>Total Number of Database Listin</b>	Total Number of Database Listings*						

#### Notes:

\* A facility may be listed in more than one database.

ENG Engineering MO Missouri

NonGen/NLR Non Generators/No Longer Regulated

NPL National Priority List

RCRA Resource Conservation and Recovery Act

ROD Records of Decision

SEMS Superfund Enterprise Management System

SHWS State Hazardous Waste Sites

SMARS Site Management and Reporting System

US United States

START reviewed the facilities listed within the EDR Report (EDR 2018a), as summarized below.

The subject property listed as part of the Ellisville Site, a regional National Priorities List (NPL) site that includes the Callahan property (28 acres), the Rosalie property (85 acres), and the Bliss property (12 acres). The subject property is part of the Callahan property. The Ellisville Site is listed in the NPL, Superfund Enterprise Management System (SEMS), U.S. Engineering Controls (US ENG CONTROLS), Records of Decision (ROD), Potentially Responsible Party (PRP), and Integrated Compliance Information System (ICIS) databases. The Ellisville Site is currently identified on the final NPL because of contamination dating back to 1980. In 1980, a contractor unearthed buried drums of paint solvents and pesticides while constructing a sewer line at the Callahan property. Further investigation revealed two other areas where industrial wastes had been buried within a 1-mile area along Caulks Creek, a tributary to the Missouri River. In January 1982, EPA used CERCLA emergency funds to excavate drums and perform other emergency actions at the Rosalie and Callahan sites. Since February 1982, EPA has acted under a cooperative agreement with Missouri for: (1) disposal of the excavated drums, (2) a remedial investigation to determine the type and extent of contamination at the Bliss property, and (3) a feasibility study to identify alternatives for remedial actions at all three. Completion of the work was scheduled for the third quarter of 1983. The Ellisville Site was put on the final NPL on September 8, 1983. The Ellisville Site is listed in the SEMS database because of its listing on the final NPL. The Ellisville Site is also listed in the US ENG CONTROLS and ROD for debris disposal, groundwater monitoring, liquid waste extraction and incineration, sediment monitoring, soil excavation and temporary storage, solid waste disposal and excavation, surface water monitoring and control, soil disposal, excavation and slope stabilization, and soil incineration. The Potentially Responsible Parties (PRP) database lists names potentially responsible for cleanup at the Ellisville Site. The ICIS database lists enforcement actions at the Ellisville Site. According to the Memorandum-Evaluation of Post-Removal and Historical Data Representative of Current Conditions report from 2015, current conditions of the Callahan property are

adequately characterized, and all dioxins and furans, metals, PCBs, semivolatile organic compounds (SVOC), and volatile organic compounds (VOC) remaining in surface and subsurface soil are below a level of concern for all potential users of the property, including residents (EPA 2015). The Callahan property subsite was delisted from the NPL on July 17, 2017. Based on historical contamination present on the subject property and its listing on the NPL, these listings pose an HREC to the subject property. Section 6.2.6 further discusses previous investigations at the subject property as part of the Ellisville NPL Site.

- The Eaton Arena is at 201 Strecker Road, approximately 48 feet north-northwest of the subject property. The site is listed in the SEMS-ARCHIVE database. The site is not on the NPL, and the Non-NPL status states No Further Remedial Action Planned (NFRAP), as the site does not qualify for the NPL based on existing information. A finish date of December 1, 1983 is listed. Because of this site's location crossgradient of the subject property and status, this listing does not pose a REC to the subject property.
- The Mid-America Arena Subsite (Ellisville) is at 146 Strecker Road, approximately 463 feet east-northeast of the subject property. The facility is listed in the SEMS database. The site is part of the Ellisville NPL site. Because of this facility's location crossgradient of the subject property and previous investigations on the subject property regarding this NPL site, this listing does not pose a REC to the subject property.
- The A One Oil Inc. facility, at 147 Strecker Road, is approximately 493 feet east-northeast of the subject property. The facility is listed in the Resource Conservation and Recovery Act (RCRA)-Non Generators (NonGen)/No Longer Regulated (NLR), Facility Index System/Facility Registry System (FINDS), and Enforcement and Compliance History Information (ECHO) databases. The facility is currently not generating hazardous waste. No violations were noted for the facility; therefore, this listing does not pose a REC to the subject property.
- The Ellisville Site Removal #007 C/O U.S. EPA Region 7, at 149 Strecker Road, is approximately 0.188 mile north-northeast of the subject property. The facility is listed in the RCRA NonGen/NLR database. The facility is currently not generating hazardous waste, and no violations were noted for the facility. Because of this site's location crossgradient of the subject property and status, this listing does not pose a REC to the subject property.
- The Ellisville-Bliss site at 149 Strecker Road, is approximately 0.188 mile north-northeast of the subject property. The site is listed in the Missouri State Hazardous Waste Site (SHWS) and Site Management and Reporting System (SMARS) databases. The Bliss property and parts of several contiguous properties were addressed as the entire "Bliss-Ellisville Site." The Bliss property is used as a personal residence, a rental residence, and a commercial horse boarding and arena operation. The site is within an upland wooded area and surrounded by numerous new housing developments with residences within 2,000 feet of formerly contaminated areas. During the 1960s and 1970s, Bliss Waste Oil Company operated this site. The business engaged in transportation, disposal, and recycling of waste oil products, industrial wastes, and chemicals. Investigations identified soil contamination resulting from disposal of dioxin-contaminated waste from the waste oil hauling business. Other hazardous wastes such as solvents, pesticides, and oils were disposed of in bulk quantities at the site. The site was added to the NPL in 1983. Groundwater was contaminated with VOCs from previous site operations. Continued monitoring occurred to verify the contamination was not migrating off the Ellisville site. Sampling of the shallow groundwater, as well as surface water, was completed, and no VOCs were detected. The site cleanup by EPA occurred between February and August 1996. The dioxin-contaminated materials were removed to a 1 part per billion (ppb) equivalent level. Approximately 24,707 tons

of dioxin-contaminated waste was excavated and delivered to the Times Beach Thermal Treatment Facility. Approximately 576 tons of dioxin-contaminated soil, mixed with paint wastes (and 210 drums containing same), were excavated and delivered to the APTUS incinerator in Coffeyville, Kansas. Other drums not contaminated with dioxin and paint waste-contaminated soil were disposed of properly from the site. Groundwater monitoring wells were installed by EPA in fall 1997. Two wells were placed downgradient and one upgradient to determine if any of the contaminants migrated into the local groundwater. The wells were sampled on a regular basis starting in 1998 up until 2006. A spring, approximately 2.5 miles from the site, was also sampled to determine if any contamination had migrated there from the site. In June 2006, EPA presented a summary report of all groundwater data acquired since 1998. Sampling indicated significant VOCs contamination of the groundwater, and the levels were increasing over time. Groundwater samples at MW3 had contamination at levels of concern. Many contaminants were present at orders of magnitude above safe health limits. In September 2006, the State performed groundwater sampling at the site, and found levels of contamination consistent with the trends evident in the EPA data. In summer 2009, MW-3 indicated elevated levels of VOCs. Due to the manner of waste disposal and the amounts of contaminants released during operation of the Bliss Waste Oil facility, it was believed that the contaminants saturated the bedrock matrix beneath the site and that the matrix continued to act as a source of groundwater contamination. In November 2009, the Missouri Department of Health installed additional wells, as part of the subsurface investigation, and advanced soil borings to test for vapor intrusion. Sampling events occurred quarterly for the next 2 years. Preliminary results of the investigation indicated no conditions present that would pose risk to human health. Groundwater contamination investigation continued; however, no conclusions were reached at the time, and data acquisition continued. Water tracing studies in 1992 and 1997 indicated water in the subsurface in the vicinity of the former dump site was discharging at Lewis Spring, located along Caulks Creek downstream of the site. Private wells open to the shallow aquifer could be affected; however, subsurface flow from the losing stream segment most likely is channelized sufficiently to prevent widespread contamination of groundwater. The nearest public well is 2 miles southwest of the site. No public wells are affected by the site; however, the local groundwater is potable and new wells are constructed due to local development. The dioxin-contaminated soil, buried drums, and soil contamination have all been removed from the site; however, groundwater is contaminated with VOCs. EPA and the Missouri Department of Health and Senior Services (DHSS) continue to investigate and monitor the groundwater. The Missouri DHSS has sampled private wells downgradient of the site since 1984. The Missouri DHSS has not found any private wells contaminated with site-related VOCs. In 2009, the Missouri DHSS screened on-site groundwater data for potential vapor intrusion risk. Some VOCs detected on site were at concentrations above screening criteria; therefore, DHSS recommended further site characterization to evaluate the vapor intrusion pathway. DHSS recommended sampling near the property boundary to evaluate potential off-site risk for vapor intrusion. DHSS conducted several rounds of soil gas sampling near the property boundary during the past few years. Preliminary evaluation of these data does not show any VOCs in soil gas above screening levels; however, additional investigation may be warranted to fully evaluate the vapor intrusion pathway. EPA conducted an Expanded Site Review (ESR) of the Strecker Forest Development site (west of the Bliss property). The purpose of the ESR was to build upon previous studies to establish a data set that would support a more comprehensive assessment of human health risks to short-term trespassers and to proposed residential land use at Strecker Forest, and to characterize potential for impacts on existing properties/residents in nearby areas. The ESR report, dated June 13, 2011, expressed belief that conditions throughout the portion of the Strecker Forest parcel proposed for housing construction are generally protective for residential development and use. Further assessment of this portion of the parcel would be limited to additional characterization of the isolated dioxin toxic equivalence (TEQ) level identified in Decision Unit (DU) 19 to provide information regarding a

possible source and determine need for mitigation prior to development. The report also proposed further assessment of potential risks at the Strecker Forest property, focusing on conditions in the northeast portion of the parcel, and evaluation of potential risks from complete exposure pathways based on current and potential future land use. Following these recommendations, EPA—in its Memorandum on Preliminary Remediation Goals (PRG) for dioxin in surface soil for the Proposed Strecker Forest Development, dated July 29, 2013—derived a site-specific PRG of 820 parts per trillion (ppt) as protective of a youth trespasser, based on cancer and non-cancer health effects. DHSS understands that (1) this PRG is site-specific, and with presumption of land use controls, will be established to restrict future development and/or residential use of this portion of the site; and (2) the PRG is specific to a recreational or trespasser setting. Other scenarios or settings would have to be considered on their own merit. EPA has completed soil removal to meet the PRG for that portion of the property. The site is listed in the SMARS database as a Superfund site. Because of this site's location crossgradient of the subject property and status, this listing does not pose a REC to the subject property.

• The H Bar 7 Ranch site at 48 Strecker Road is approximately 0.291 mile south-southeast of the subject property. The site is listed in the SEMS-ARCHIVE database. The site is not on the NPL, and the Non-NPL status is NFRAP because the site does not qualify for the NPL based on existing information. A finish date of January 1, 1983 is listed. Because of this site's location crossgradient of the subject property and status, this listing does not pose a REC to the subject property.

EDR identified seven database listings of "non-geocoded" or "orphan" facilities that, because of poor or inadequate address information, could not be mapped by EDR. All seven of the orphan facilities are outside of the ASTM search distances and do not pose a REC to the subject property.

## **6.1.2** Vapor Encroachment Screen

Tetra Tech completed an initial vapor encroachment screen to determine if a vapor encroachment condition (VEC) exists in the subsurface below any proposed subject property structures from hazardous substances, petroleum, and petroleum products that can include VOCs, SVOCs, and inorganic volatile compounds. The Tier 1 non-invasive vapor encroachment screen assessed presence of the chemicals of concern within the following approximate recommended minimum search distances specified in ASTM E 2600-10 Standard Guide for Vapor Encroachment Screening on Sites Involved in Real Estate Transactions (ASTM 2010):

Area of Concern Approximate Minimum Search Distances Surrounding the Subject Property (miles)					
Standard Environmental Record Sources (where available)	<b>Chemicals of Concern</b>	Petroleum Hydrocarbon Chemicals of Concern			
Federal NPL	0.33	0.10			
Federal CERCLIS	0.33	0.10			
Federal RCRA CORRACTS	0.33	0.10			

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Area of Concern Approximate Minimum Search Distances Surrounding the Subject Property (miles)					
Standard Environmental Record Sources (where available)  Chemicals of Concern Chemicals of Chemica					
Federal RCRA non-CORRACTS TSD	0.33	0.10			
Federal RCRA Generators	Subject Property Only	Subject Property Only			
Federal Institutional Control/Engineering Control	Subject Property Only	Subject Property Only			
Federal ERNS	Subject Property Only	Subject Property Only			
State and Tribal-equivalent NPL	0.33	0.10			
State and Tribal-equivalent CERCLIS	0.33	0.10			
State and Tribal Landfill or Solid Waste Disposal Sites	0.33	0.10			
State and Tribal LUST	0.33	0.10			
State and Tribal UST	Subject Property Only	Subject Property Only			
State and Tribal Institutional Control/Engineering Control	Subject Property Only	Subject Property Only			
State and Tribal Voluntary Cleanup	0.33	0.10			
State and Tribal Brownfield	0.33	0.10			

#### Notes:

CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System

CORRACTS RCRA Corrective Action Activity
ERNS Emergency Response Notification System
LUST Leaking Underground Storage Tank

NPL National Priorities List

RCRA Resource Conservation and Recovery Act TSD RCRA Treatment, Storage, and Disposal

UST Underground Storage Tank

Based on results of the initial vapor encroachment screen, five properties were identified within the minimum search distances (EDR 2018b). Based on cleanup status and/or locations hydrologically crossgradient of the subject property, none of these five indicate a VEC exists in proximity to the subject property.

#### **6.1.3** Valuation Reduction for Environmental Issues

No information on valuation reduction was provided to START. Ms. Shelton noted that she has knowledge of valuation reduction for the subject property based upon environmental issues. EDR did not perform an environmental lien search pertaining to the subject property.

## **6.1.4** Engineering and Institutional Controls

As part of the environmental records search by EDR, federal and state databases for institutional and engineering controls were searched, including EPA's Engineering Controls Sites List and Sites with Institutional Controls, and the U.S. Department of the Navy's Land Use Control Information System. No engineering or institutional controls were found pertaining to the subject property.

### **6.1.5** Title Records

The subject property Parcel 22U220242 (210 Strecker Road) is currently owned by Debbie Shelton, Jean E. Callahan Trustee. According to the quit claim deed dated November 20, 1996, the subject property was purchased by Jean E. Callahan Trustee. According to the executor's deed dated September 24, 1980, the subject property was willed to Jean Ellen Callahan from Angelo T. Marlo (see Appendix G-1).

## 6.2 HISTORICAL USE INFORMATION REGARDING THE SITE AND ADJOINING PROPERTIES

Historical data regarding the subject property and surrounding area were gathered to determine past uses and evaluate detectable environmental issues that may pose RECs. The following sections describe aerial photographs, Sanborn maps, topographic maps, city directories, and past environmental reports available regarding the subject property. Historical use documentation referenced in the following sections is included as Appendix G.

## **6.2.1** Historical Property Ownership

Table 6-2 presents the chain-of-title search of the subject property (U.S. Title Records 2018) (see Appendix G-1).

TABLE 6-2
CHAIN OF TITLE SUMMARY

Date Executed	Transaction Description	Туре	Book	Page
11/20/1996	Jean E. Callahan, to Jean E. Callahan Trustee	Quit Claim Deed	11006	161
9/5/1996	Grover Callahan, to Jean E. Callahan	Quit Claim Deed	10939	1640
9/19/1980	Angelo T. Marlo, to Jean E. Callahan	Executor's Deed	7279	345

According to the chain-of-title search, the subject property was deeded to Jean E. Callahan, on September 19, 1980. No RECs were identified in the chain-of-title search.

## 6.2.2 Sanborn Map Report

No Sanborn maps of the subject property area were available (EDR 2018c) (see Appendix G-2).

## **6.2.3** Aerial Photographs

START reviewed aerial photographs of the subject property and surrounding area from years 1937, 1953, 1958, 1965, 1968, 1971, 1974, 1980, 1986, 1990, 1996, 2006, 2009, 2012, and 2016 (EDR 2018d) (see Appendix G-3). Table 6-3 is a summary of information obtained from the aerial photographs.

TABLE 6-3
SUMMARY OF AERIAL PHOTOGRAPHS

Year	Comments
	<b>Subject Property:</b> The subject property appears to be undeveloped wooded and orchard land. Due to poor image quality, details cannot be distinguished.
1937	<b>Surrounding Properties:</b> The subject property is surrounded by predominantly undeveloped and agricultural areas and orchards, with a residential property to the west. A road in approximate alignment with the current Strecker Road is visible north of the subject property. Due to poor image quality, details cannot be distinguished.
	Subject Property: The subject property appears to be undeveloped wooded and grass land.
1953	<b>Surrounding Properties:</b> The area surrounding the subject property appears similar to 1937. The residential property to the west appears smaller with some buildings removed. The area north of Strecker Road has some residential properties visible with agricultural land.
	Subject Property: The subject property appears similar to 1953.
1958	<b>Surrounding Properties:</b> The area surrounding the subject property appears similar to 1953 with some residential development to the southeast.
	<b>Subject Property:</b> The subject property appears similar to 1958, but appears to have been graded or cleared on the grass land portion of the property.
1965	<b>Surrounding Properties:</b> The area surrounding the subject property appears similar to 1958. The residential property to the west appears to have had buildings added. A residential property is east of the subject property. A barn is northeast of the subject property.
1968	<b>Subject Property:</b> The subject property appears similar to 1965, but without the graded area visible.
	Surrounding Properties: The area surrounding the subject property appears similar to 1965.  Subject Property: The subject property appears similar to 1968, but appears to have been graded or
1971	cleared on the grass land portion of the property.
1971	<b>Surrounding Properties:</b> The area surrounding the subject property appears similar to 1968; however, a residential property has been added to the southeast along Strecker Road.
	<b>Subject Property:</b> The subject property appears similar to 1971; however, the pond has been added on the western portion of the property.
1974	<b>Surrounding Properties:</b> The area surrounding the subject property appears similar to 1971; however, residential properties were built east and south of the subject property. A residential property is on the east adjoining property.
1980	<b>Subject Property:</b> The subject property appears similar to 1974, except for a small disturbed area south of the pond and cleared rectangular area on the north central portion of the subject property. The disturbed area appears to be the drum burial area depicted in previous investigations (see Section 6.2.6).
	<b>Surrounding Properties:</b> The area surrounding the subject property appears similar to 1974; however, residential development is visible south of the subject property and east of Strecker Road.

#### **TABLE 6-3 (Continued)**

#### SUMMARY OF AERIAL PHOTOGRAPHS

Year	Comments	
1986	<b>Subject Property:</b> The subject property is developed with a barn and driveway; the pond is still present on the western portion of the property. The disturbed area associated with the drum burial is no longer visible.	
	<b>Surrounding Properties:</b> The area surrounding the subject property appears similar to 1980; however, residential development is visible to the northwest.	
	<b>Subject Property:</b> The subject property appears similar to 1986. Due to poor image quality, details cannot be distinguished.	
1990	<b>Surrounding Properties:</b> The area surrounding the subject property appears similar to 1986; however, the residential property to the west appears to have been removed. More residential development is visible to the north. Due to poor image quality, details cannot be distinguished.	
1996	Subject Property: The subject property appears similar to 1990.  Surrounding Properties: The area surrounding the subject property appears similar to 1990; however, additional residential development is visible in all directions of the subject property.	
2006	Subject Property: The subject property appears similar to 1996.  Surrounding Properties: The area surrounding the subject property appears similar to 1996; however, additional residential properties are visible to the north and west.	
2009	Subject Property: The subject property appears similar to 2006.  Surrounding Properties: The area surrounding the subject property appears similar to 2006.	
2012	Subject Property: The subject property appears similar to 2009.	
	Surrounding Properties: The area surrounding the subject property appears similar to 2009.  Subject Property: The subject property appears similar to 2012.	
2016	Surrounding Properties: The area surrounding the subject property appears similar to 2012.	

Aerial photographs can be used in conjunction with other historical records presented in this section to determine previous land use on the subject property. It appears that the subject property was developed with a barn as early as 1986. A disturbed area south of the pond appears to be the drum burial area depicted in previous investigations (see Section 6.2.6) south of the pond on the western portion of the subject property from 1980 until 1986. According to the Memorandum-Evaluation of Post-Removal and Historical Data Representative of Current Conditions report from 2015, current conditions of the Callahan property are adequately characterized, and all dioxins and furans, metals, PCBs, SVOCs, and VOCs remaining in surface and subsurface soil are at concentrations below levels of concern for all potential users of the property, including residents (EPA 2015). Based on historical contamination present on the subject property, this poses an HREC to the subject property. Section 6.2.6 further discusses investigations that have occurred at the subject property.

#### **6.2.4** Historical Topographic Maps

Topographic maps can be used as indicators of land use and structural changes on the subject property, and thus can help determine historical land use that might pose an environmental issue to the subject property. START reviewed topographic maps of the subject property and surrounding area from years 1903, 1944/1945, 1947, 1954, 1968, 1974, 1982, 1993, and 2015 (EDR 2018e) (see Appendix G-4). Table 6-4 is a summary of information obtained from the historical topographic maps of the subject property and surrounding area.

TABLE 6-4
SUMMARY OF HISTORICAL TOPOGRAPHIC MAPS

Year	Description
1903	Subject Property: The subject property appears to be undeveloped.
1903	Surrounding Properties: Areas surrounding the subject property appear to be sparsely developed.
	<b>Subject Property:</b> The subject property appears similar to 1903.
1944/1945	<b>Surrounding Properties:</b> Surrounding properties are similar to 1903; however, development is more prominent near the City of Ellisville southeast of the subject property. Strecker Road is north of the subject property, and a tributary of Caulks Creek is south of the subject property.
	Subject Property: The subject property appears similar to 1945.
1947	Surrounding Properties: Surrounding properties are similar to 1945.
	Subject Property: The subject property appears similar to 1947.
1954	<b>Surrounding Properties:</b> Surrounding properties are similar to 1947; however, additional residential development is along Strecker Road.
1968	Subject Property: The subject property appears similar to 1954.
1700	Surrounding Properties: Surrounding properties are similar to 1954.
1974	<b>Subject Property:</b> The subject property is developed with a pond on the western portion of the property.
1971	Surrounding Properties: Surrounding properties are similar to 1968.
	Subject Property: The subject property appears similar to 1974.
1982	<b>Surrounding Properties:</b> Surrounding properties are similar to 1974; however, additional residential development is visible south of the subject property.
	<b>Subject Property:</b> The subject property is developed with a pond on the western portion of the subject property and a structure on the central portion.
1993	<b>Surrounding Properties:</b> Surrounding properties are similar to 1982; however, additional residential development is visible west of the subject property.
	<b>Subject Property:</b> The subject property appears similar to 1993. Structures are not shown on the map.
2015	<b>Surrounding Properties:</b> Surrounding properties are similar to 1993. Structures are not shown on the map.

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Review of topographic maps did not identify potential source areas or environmental issues; however, topographic maps can be used in conjunction with other historical records presented in this section to determine previous land use on the subject property.

#### **6.2.5** City Directories

START reviewed city directory listings of the subject and nearby properties from years 1930, 1935, 1936, 1939, 1944, 1948, 1949, 1953, 1955, 1958, 1960, 1961, 1965, 1970, 1973, 1975, 1979, 1980, 1986, 1992, 2001, 2006, 2010, and 2014 (EDR 2018f) (see Appendix G-5). Table 6-5 summarizes information found in the city directories. Additional residences and businesses on adjoining properties are also listed in Table 6-5; however, due to the large number of entries, only businesses whose normal operations could pose an environmental threat are listed.

TABLE 6-5
SUMMARY OF HISTORICAL CITY DIRECTORIES

<b>Property Address</b>	Property Occupant(s)		
	Subject Property		
210 Strecker Road	Not Listed (1930, 1935, 1936, 1939, 1944, 1948, 1949, 1953, 1955, 1958, 1960, 1961, 1965, 1970, 1973, 1975, 1979, 1980, 1986, 1992, 2006, 2010, and 2014), Jean Callahan (2001)		
Nearby Properties			
203 Cobblefield Court	Plumb Perfect Plumbing Inc. (2010, 2014), Dave Tanner (2001), Randy Fite (2006)		
219 Cobblefield Court	Objects Home Inc. (2010), Ramesh Reddy (2001, 2006)		
1611 Englebrook Court	Spielberg Audio Lab (2010, 2014), Curt For (2001), Donald Sheahan (2006)		
1615 Englebrook Court	Statmetrics (2014), Michael K. Parsons, DDS (1992), William Raya (2001), Preston Grubbs (2006)		
1579 Englebrook Drive	Larnik Supply Solutions LLC (2014), CM Murphy (2001, 2006)		

City directories can be used in conjunction with other historical records presented in this section to determine previous land use on the site. Review of city directories identified the subject property address as Jean Callahan in 2001; the subject property was not listed for any other years. Areas surrounding the subject property were used primarily as residential properties with a few commercial properties present. However, due to their absences from the EDR Radius Map and/or hydrologically crossgradient or downgradient locations of the subject property, these listings do not pose a REC to the subject property.

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#### 6.2.6 Previous Reports

Investigations and removal activities have occurred on the subject property. These reports are briefly discussed below.

#### **Expanded Site Review – 2012**

Tetra Tech performed an Expanded Site Review (ESR) on the Proposed Strecker Forest Development Site, which includes a portion of the Ellisville Site known as the Callahan Property. Activities during the ESR occurred from August 2011 through February 2012 (Tetra Tech EM Inc. 2012).

A geophysical survey and exploratory trenching occurred in September 2011. The geophysical survey was an attempt to locate buried metal/debris on the Callahan Property in order to guide follow-up exploratory trenching activities (Tetra Tech EM Inc. 2012). Excavation at the Callahan Property unearthed several rusty drum lids; an empty, deteriorated, metal, 5-gallon bucket; a portion (~1/3) of a steel drum; several paint buckets surrounded by solidified paint; and other metal debris (Tetra Tech EM Inc. 2012).

Surface soil samples were collected by application of an incremental composite sampling (ICS) strategy. The ICS strategy involved separation of the entire site area into decision units (DU). Three DUs were established on the Callahan Property for characterization of surface soils via the ICS approach. Samples were analyzed for SVOCs, RCRA metals, PCBs, and dioxin TEQ (Tetra Tech EM Inc. 2012).

Subsurface soil samples were collected at 13 locations on the Callahan Property. At each boring location, continuous soil cores were collected by use of a Geoprobe® direct-push apparatus. Geoprobe sample locations were selected to address specific areas of interest and to cover the geographic extent of the site. Samples were analyzed for VOCs, SVOCs, RCRA metals, PCBs, and dioxin TEQ (Tetra Tech EM Inc. 2012).

Six new monitoring wells were installed by MDNR between September 20 and October 3, 2011, to better determine groundwater flow patterns at the site and to further characterize shallow groundwater quality. Three of the new monitoring wells were installed on the Strecker Forest property, and three were installed on the Callahan property. The monitoring wells were installed by the MDNR Division of Geology and Land Survey (DGLS) in accordance with standard procedures (Tetra Tech EM Inc. 2012). Groundwater samples were analyzed for dioxins/furans (TEQ compounds), VOCs, SVOCs, dissolved RCRA metals, and PCBs (Tetra Tech EM Inc. 2012).

General conclusions from review of the 2012 ESR are as follows:

- In samples of surface soil, subsurface soil, and groundwater collected at the Callahan property, lead and chromium concentrations were found above levels of concern, but concentrations of dioxins/furans, VOCs, SVOCs, other metals, and PCBs were below levels of concern.
- Three subsurface soil samples contained lead concentrations exceeding a level of concern for residential use. However, current residents or trespassers are not expected to contact subsurface soils, so a potential health concern would arise only if this soil would be brought to the surface.
- Total chromium concentrations slightly above levels of concern were also detected in two subsurface soil samples at the Callahan property. Current residents or trespassers are not expected to contact subsurface soils, so the potential health concern exists only if this soil is brought to the surface. The metals analysis performed on the subsurface samples did not distinguish between hexavalent and trivalent chromium. However, analysis of surface soil samples from the Callahan property did distinguish between hexavalent and trivalent chromium: total chromium concentrations were below screening levels, and hexavalent chromium was not detected in any of these samples.
- Investigation of subsurface conditions at the Callahan property identified presence of crushed drum fragments in or near the former drum burial area where a response action had occurred in 1981-1982. Site reconnaissance conducted during this Phase I TBA confirmed that these materials, previously stored on the site, had been removed for proper disposal.
- Presence of residual waste material was also identified during installation of monitoring wells and
  advancements of soil borings in the area of previous drum removal. Laboratory analysis of
  samples collected directly from these waste materials did not detect concentrations of VOCs,
  SVOCs, PCBs, or dioxin TEQ exceeding a level of concern for residential use. Levels of lead
  (and possible chromium) exceeding residential screening levels were detected in subsurface
  samples collected within the former drum burial area (Tetra Tech EM Inc. 2012).

Recommendations from the 2012 ESR related to the Callahan Property include:

- Data generated during this investigation did not indicate that conditions at the Callahan property were impacting local groundwater.
- Surface soil samples collected at the Callahan property contained concentrations of all potential contaminants below levels of concern for residential use.
- Further assessment of conditions at the former drum burial at the Callahan property should include an evaluation of the elevated lead and total chromium levels in subsurface soils in consideration of potential for future residential land use (Tetra Tech EM Inc. 2012).

#### **Removal Action Report – 2013**

Tetra Tech completed a Removal Action Report for the Callahan Property in 2013 following the EPA Removal Action. The Removal Action Report is summarized below.

#### **Site History/Previous Investigations**

In August 1980, MDNR received a report of illegal dumping at the Callahan Property site. A follow-up investigation revealed a disposal area of approximately 150 by 150 feet, containing buried drums and possibly other waste materials. During further investigations, several drums were unearthed and sampled. These activities determined the drums contained paint-related wastes and solvents. MDNR subsequently requested assistance from EPA Region 7 to address the buried drums, and a RA was immediately initiated. The RA occurred from December 1981 through February 1982, when 1,205 drums were removed from the disposal area. Of these, 613 were overpacked and staged in two areas of the site for off-site disposal. Approximately 500 cubic yards of excavated soil was returned to the former drum burial area as backfill (Tetra Tech 2013).

Since the RA, follow-up investigations at the site have addressed public concerns regarding residual contamination, including an investigation by Black & Veatch Engineers—Architects (Black & Veatch) in December 1982. This investigation included sampling of soils from the former drum burial and storage areas, and collection of surface water samples downgradient of those areas. Analytical results from these samples did not indicate any significant contamination (Tetra Tech 2013). A Phase II ESA by Brucker Engineering, Ltd., in 1999, included a magnetometer survey and exploratory trenching in the burial area, drum storage areas, and drainage routes downgradient of the burial area. No significant contamination was identified during the ESA (Tetra Tech 2013). However, because of the limited scope of these investigations and apparent gaps in the data, the City of Wildwood, on behalf of the local residents, requested a more comprehensive study to determine whether any contamination remained at the site (Tetra Tech 2013).

From January 31 through February 2, 2005, Tetra Tech START performed a magnetometer survey and monitored site activities for a Removal Site Evaluation (RSE) conducted by MDNR—including sampling of soil, sediment, and interior dust. The purpose of the RSE was to determine whether any residual contamination remained at the site that warranted further Superfund response, following the RA conducted in 1981-1982. Based on analytical results from samples collected during the investigation, elevated levels of lead, SVOCs, and VOCs were identified in subsurface soils at the former drum burial area (Tetra Tech 2013).

#### **Removal Activities**

During excavation, once visual indications of contamination were no longer evident, START monitored the extent of soil contamination by obtaining real-time readings for VOCs using a photoionization detector (PID), and for metals (lead in particular) using an XRF spectrometer. EPA-funded removal

activities occurred at the site from November 12 through early December 2012. The final excavated area was approximately 70 feet on the north, 75 feet on the east, 21 feet long on the south, and 82 feet on the west. Depth of the excavated area ranged from 5 to 15 feet (Tetra Tech 2013).

During the excavation process, an attempt was made to remove a previously installed 91-foot-deep monitoring well (MW-C01) from the excavation area. After multiple attempts to remove the well, the polyvinyl chloride (PVC) riser pipe was cut off and the well was plugged to preclude entry of contaminated soil into the well that could reach the water table. The plugging occurred in stages. First, approximately 35 pounds (lbs) of medium bentonite chips was added to the well and topped with 4 gallons of water. Then, another 35 lbs of medium bentonite chips was added to the well and topped with 2 gallons of water, followed by an additional 15 lbs of bentonite and 2 gallons of water to completely fill the well (Tetra Tech 2013).

Post-excavation soil samples were collected by START from the south portion of the excavated area, and sample collection proceeded north. Post-excavation samples were collected from the perimeter walls of the excavated area for cleanup confirmation analysis. During the RA, seven post-excavation soil samples were collected—one from the south wall and two from each remaining wall of the excavated area (Tetra Tech 2013).

Analytical results from all soil samples were compared to EPA Regional Screening Levels (RSL). All results were below RSLs except those for arsenic in the walls of the excavation pit. However, all arsenic results were below the average concentration of 10.561 ppm for St. Louis County soils. In all, 2,056.74 tons of contaminated soil and debris, including drum fragments and metal pieces, was excavated and transported to the Milam Landfill in East St. Louis, Illinois, for proper disposal (Tetra Tech 2013).

## <u>Memorandum-Evaluation of Post-Removal and Historical Data Representative of Current Conditions – 2015</u>

Prior to delisting the Callahan Property Subsite (Operable Unit 3) of the Ellisville Superfund Site, in Wildwood, Missouri, EPA's Office of Superfund Remediation and Technology Innovation requested that Region 7 conduct a limited human health risk assessment to document that No Further Response would be necessary at this subsite. To satisfy this request, as documented in this memo, it was determined that then-current conditions of the site had been adequately characterized, and that all concentrations of dioxins and furans, metals, PCBs, SVOCs, and VOCs remaining in the surface and subsurface soil were below a level of concern for human health, based on the agency's default residential exposure assumptions and current toxicity values as of June 2015. This evaluation showed that, following the EPA-funded removal activities in late 2012, the Callahan Property no longer posed unacceptable human

health risks for any type of current or future exposure scenario. The Callahan Property was determined safe for unlimited use and unrestricted exposure (EPA 2015).

The first objective of this memo was to adequately characterize then-current site conditions. Five datasets were available regarding the Callahan Site: (1) 1982-1983 data acquired after the 1982 removal action, (2) 1999 samples from the Phase II ESA, (3) 2005 samples from the MDNR Site Removal Evaluation, (4) 2011-2012 data acquired for the ESR, and (5) 2012 confirmation data acquired after the 2012 removal action (EPA 2015). Although all of these data had been acquired after the first removal action, some sampling locations had been excavated during the second removal action. Because those samples no longer represented current conditions, they were excluded from the site characterization in this memo (EPA 2015).

The second objective of this memo was to evaluate whether remaining concentrations of dioxins and furans, metals, PCBs, SVOCs, and VOCs at the Callahan property were below levels of concern for human health. To evaluate potential health risks to residents, the detected concentrations were compared to EPA's RSLs for residential soil (EPA 2015).

#### **Conclusions**

The intent was to close out this subsite of the Ellisville Superfund Site as safe for unlimited use and unrestricted exposure, with No Further Response necessary. Prior to closeout, a limited human health risk assessment occurred to confirm the property no longer poses unacceptable human health risks for any type of current or future exposure scenario. To meet this request, it was determined that sufficient data were available from five sampling events between 1982 and 2012 to characterize current conditions, including the fill and drum staging areas, as well as drainageways and other areas on the property. Most detections were below level of concerns for residential use. Lead exceeded the RSL of 400 milligrams per kilogram (mg/kg) in one of the seven excavation wall confirmation samples, but average subsurface soil lead concentration is likely below 400 mg/kg. Concentrations of lead in surface soil are well below the screening level. Total chromium also exceeded a level of concern in some samples, but this exceedance is based on the assumption that chromium detected at the site was 100 percent in the hexavalent form, rather than the less toxic trivalent chromium; however, because chromium speciation performed on the property in 2012 did not indicate presence of hexavalent chromium, the chromium detected at the site is most likely in the trivalent form and is not expected to pose a health concern. Therefore, conclusion was that current conditions of the Callahan property had been adequately characterized and that all concentrations of dioxins and furans, metals, PCBs, SVOCs, and VOCs

remaining in surface and subsurface soil were now below levels of concern for all potential users of the
property, including residents (EPA 2015).

#### 7.0 FINDINGS AND OPINIONS

The following findings and opinions resulted from the TBA, primarily based on interviews, previous investigations and examination of historical documentation:

According to EDR, the subject property is part of the Ellisville Site, a regional NPL site that
includes the Callahan property (28 acres), the Rosalie property (85 acres), and the Bliss property
(12 acres). The subject property is part of the Callahan property. The Ellisville Site is listed in
the NPL, SEMS, US ENG CONTROLS, ROD, PRP, and ICIS databases. The Ellisville Site is
currently identified on the final NPL because of contamination dating back to 1980.

Several investigations and removal actions have taken place on the subject property (Callahan Property) from 1980 to 2015 to address illegal dumping including buried drums and possibly other waste materials. According to the Memorandum-Evaluation of Post-Removal and Historical Data Representative of Current Conditions report from 2015, current conditions of the Callahan property are adequately characterized, and all dioxins and furans, metals, PCBs, SVOCs, and VOCs remaining in surface and subsurface soil are at concentrations below levels of concern for all potential users of the property, including residents (EPA 2015). Based on historical contamination present on the subject property and its listing on the NPL, these listings pose an HREC to the subject property.

- Review of historical documents revealed that the barn on the subject property was built between 1980 and 1986. As part of this TBA, XRF screening of paint in the barn occurred to determine whether LBP was present, and samples of suspect ACBM were collected from the barn and analyzed.
- None of the 16 XRF readings of suspected LBP from painted surfaces in the barn indicated a lead concentration exceeding 1.0 mg/cm<sup>2</sup>, the benchmark for LBP.
- None of the three samples of suspected ACBM (linoleum) in the barn contained asbestos.
- Small amounts of HHW, such as paint, stain remover, and root killer, were observed in the barn on the subject property.

#### 8.0 CONCLUSIONS AND RECOMMENDATIONS

START performed a TBA of the 7.51-acre subject property at 210 Strecker Road in Wildwood, St. Louis County, Missouri. The TBA conformed to the scope and limitations of ASTM E 1527-13. Exceptions to or deletions from this practice are described in Section 1.4 of this report. Based on available information, this assessment has revealed evidence of an HREC in connection with the subject property, as described in Section 7.0.

Conclusions of this Phase I TBA are based on interviews, a site reconnaissance, previous investigations, and examination of historical documentation. Based on results of this Phase I TBA, the HREC related to the property does not warrant further investigation prior to residential development; however, START recommends proper disposal of the HHW and hazardous materials inventoried prior to renovation or demolition of the subject property buildings, based on characteristics of those materials.

#### 9.0 CERTIFICATION STATEMENT

Resumes of the Environmental Assessor who conducted the site reconnaissance and the EP who prepared the report and oversaw completion of this work are in Appendix H. We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 40 CFR Part 312.10. We have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the subject property addressed in this report. We have developed and performed all appropriate inquiries in conformance to the standards and practices set forth in 40 CFR 312, and attest to the completeness and accuracy of information in this report.

If you have any questions concerning the findings and conclusions conveyed in this report, please call START Program Manager Ted Faile at (816) 412-1754 or START Project Manager Ann Marie Pohlman at (816) 412-1961.

Assessor /Environmental Professional

Kaitlyn Mitchell

Reviewer/Environmental Professional

Ann Marie Pohlman Environmental Scientist Kaitlyn Mitchell Environmental Scientist

Reviewer/Environmental Professional

Ted Faile PG, CHMM START Program Manager

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- U.S. Geological Survey (USGS). 1981. Manchester and Eureka, Missouri Quadrangle. USGS 7.5-Minute Topographic Series.
- USGS. 1997. Ground Water Atlas of the United States: Kansas, Missouri, and Nebraska. HA 730-D. Accessed December 5, 2018. <a href="http://pubs.usgs.gov/ha/ha730/ch\_d/index.html">http://pubs.usgs.gov/ha/ha730/ch\_d/index.html</a>
- U.S. Title Records. 2018. Property Detail Report for Property At: 210 Strecker Rd., Ballwin, MO 63011. Received December 6, 2018.

# APPENDIX A STATEMENT OF WORK

## Sub-Task

#### Under Task Order #02 - Brownfields TBAs

## START 4 CONTRACT #: EP-S7-13-06

Activity Type: Targeted Brownfield Assessment Created On: 10/29/2018

**Task:** Environmental Site Assessment **PO:** Debra Dorsey

**Task Monitors:** Todd H. Davis

Whitney Bynum

General Task Description: Phase I ESA Task Codes:

Estimated Completion Date: December 10, 2018

Site/Project Name: Callahan Property

Address: 210 Strecker Road EXT #:7735

City, State, Zip: Wildwood, MO 63011

Ste ID No: N/A

#### I. INTRODUCTION

#### **PURPOSE**

Under the authority of legislation, Presidential Directives, and promulgated regulations, EPA is responsible for protecting human health and the environment. EPA is delegated authority to undertake removal and remedial response actions.

The purpose of this Statement of Work (SOW) is for the contractor to provide EPA with technical support. For each assigned task, the contractor shall provide appropriately experienced, trained, and accredited personnel with current credentials/certifications as well as all supplies, materials, tools, and equipment necessary to complete the job.

#### II. BACKGROUND

Under the authority of legislation, Presidential Directives, and promulgated regulations, EPA is responsible for protecting human health and the environment. EPA is delegated authority to undertake removal and remedial response actions. EPA is responsible for conducting evaluations and cleanups of uncontrolled hazardous substance disposal sites and placing those that are considered to pose a significant threat to human health or the environment on the National Priorities List (NPL). Site assessment is the first step in determining whether a site meets the criteria for placement on the NPL. Listing a site on the NPL is one tool among many that are available to EPA and state cleanup program managers to accomplish the cleanup of contaminated waste sites. For additional information, see EPA OSWER Directive 9203.1-06, "Guidance on Setting Priorities for NPL Candidates sites."

#### III. TECHNICAL REQUIREMENTS

EPA Targeted Brownfields Assessment
TASK ORDER
Callahan Property
210 Strecker Road
Wildwood, St. Louis County, Missouri 63011
October 29, 2018

#### IV. Introduction/Background Discussion

The EPA's Targeted Brownfields Assessment (TBA) program is designed to assist States, tribes and local governments to minimize the uncertainties of contamination often associated with brownfields. TBAs supplement and work with other efforts under EPA's Brownfields Program to promote cleanup and redevelopment of brownfields properties.

The City of Wildwood, Missouri has requested EPA to perform a Phase I Environmental Site Assessment on the Callahan property located at 210 Strecker Road, Wildwood, St. Louis County, Missouri.

#### V. Site Description

The site covers approximately 8.0 acre and has a barn located on the property.

#### VI. Location

The site area is located at 210 Strecker Road in Wildwood, Missouri.

#### VII. Description and Current Conditions of Sites

The property is currently not in use. Access to the site is being provided through an agreement with the property owner/applicant.

#### **VIII.** History of Operation

The referenced property historically was a residential home with a barn remaining.

#### IX. 4.0 Summary of Pertinent Previous Investigations

Remedial investigations were conducted beginning in the 1980s with the Callahan Subsite of the Ellisville Superfund Site being removed from the NOL on June 17, 2017 as a partial deletion.

### X. Scope of Work

The contractor shall perform a Phase I environmental site assessment (ESA) on the Callahan property site.

The Phase I ESA will identify any potential recognized environmental conditions (REC) located on or in the vicinity of the sites in accordance with ASTM Standard E 1527-13, Standard Practice for Phase I Environmental Site Assessments. A completed Property Profile Form (PPF) shall be completed and submitted with the Report.

#### XI. Description of Tasks

ASTM/AAI Phase I and Phase II ESA and Reporting

The contractor may conduct the ACM/LBP Survey in accordance with EPA's final regulations governing All Appropriate Inquires (40 CFR 312), ASTM International's E 1527-13 and E1903-97-11 standard for Phase I & II ESAs, the guidance documents listed at the end of this task order or other Professional Standard.

From the information and documents reviewed for Report and inclusive of all EPA comments on the draft report, the contractor shall prepare 3 bound color hard copies and one electronic copy of each Reports covering the individual site and including a property profile form for the site. The report will detail the execution of the site inspections and summarize the findings of the site investigation. All hard copies and the electronic copy will be provided to the EPA Project Contact identified below.

#### XII. Quality Assurance Project Plan (QAPP)

The Contractor shall prepare a Quality Assurance Project Plan for the environmental assessment. If structures are found on the property the QAPP may include lead based paint and asbestos surveys. The QAPP shall present the objectives, organization, activities, and quality control procedures that will be employed to ensure that all technical data generated during the assessment and the asbestos and lead-based paint surveys are accurate and representative of the conditions at the project site. The QAPP shall contain a Title and Approval Page. A draft version of the QAPP shall be submitted to the EPA

Task Order Project Officer (TOPO) and must be approved by the EPA TOPO prior to conducting the surveys. Electronic submittal is acceptable for the QAPP. For guidance on creating a QAPP, refer to the guide EPA Requirements for Quality Assurance Project Plans (QA/R-5) found at: http://www.epa.gov/quality/qs-docs/r5-final.pdf

#### XIII. Project Schedule

The contractor will submit to the EPA Project Contact identified below an electronic copy of a 90% draft submittal of the site investigation reports within 60 days from the date the sites are assigned to the contractor.

Comments will be made and returned to the contractor within 60 business days. The final deliverables as described above are due 30 business days after EPA provides comments on the draft reports.

#### **XIV.** Project Contacts

Todd H. Davis, Site Assessment Manager, EPA Region 7 Whitney Bynum, Brownfields Project Officer

Phone: 913-551-7749

913-551-7735

Email: <u>davis.toddh@epa.gov</u>

Bynum.whitney@epa.gov

Address: US EPA Region 7

Brownfields & Land Revitalization Program

11201 Renner Blvd Lenexa, KS 66219

#### Guidance Documents/References

- "Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process, "ASTM, E 1527-13
- "Standard Practice for Environmental Assessments: Phase II Environmental Site Assessment Process," ASTM 1903-97; and
- "Generic Quality Assurance Project Plan for the Superfund Site Assessment and Targeted Brownfields Assessment Programs," EPA-Region VII, Superfund Division, July 2007

#### XV. DOCUMENTATION REQUIREMENTS

In the course of performing tasks identified in this SOW, the contractor shall submit all analyses, options, recommendations, reports, and any other work products in draft form for review by the Contracting Officer (CO) or the Contracting Officer's Representative (COR) prior to use or distribution.

The contractor shall not publish, release, use, or disclose any work product generated under this SOW without EPA's written approval; interpret EPA policies or regulations when conducting any training, seminars, or presentations; and/or provide any legal advice or legal interpretations.

The Government will make all final regulatory, policy, and interpretative decisions resulting from contractor provided advice and assistance; and will also make all final decisions regarding compliance determinations, or the violations of an order, law, regulation, etc.

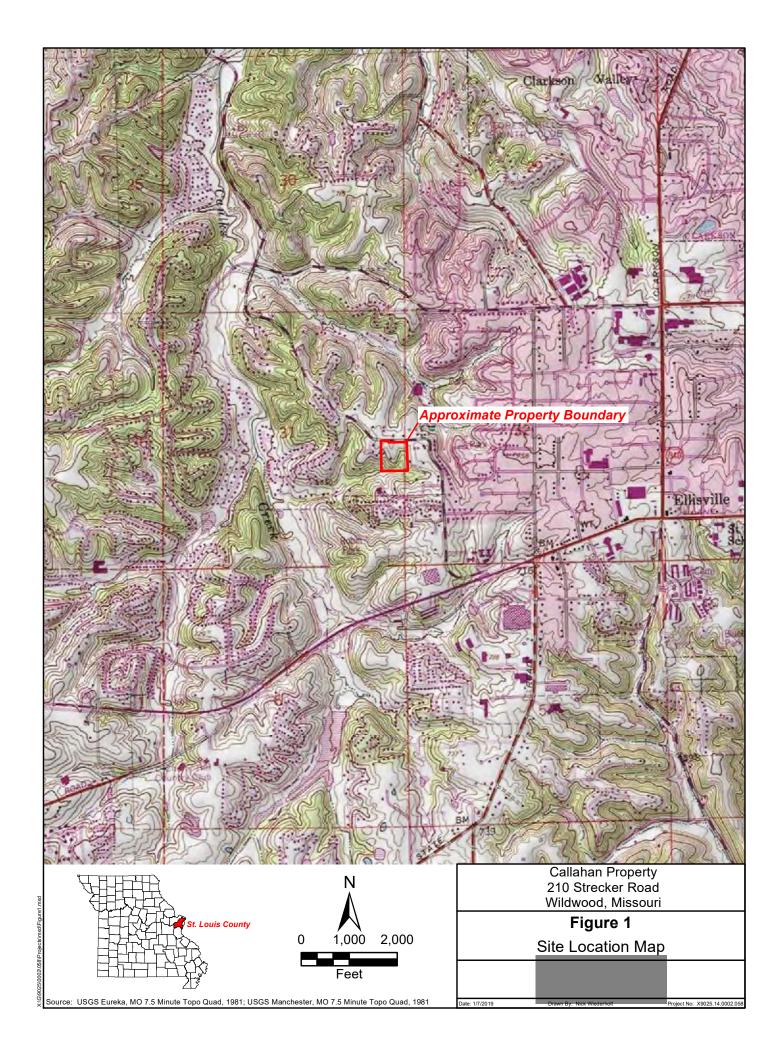
The contractor shall submit documents that demonstrate a good command and correct usage of the English language (e.g., discussion of facts flow in a coherent and organized manner); use proper grammar (noun and verb tense correspond, etc.); and are free of incomplete sentences and misspelled words.

For deliverables that contain recommendations, the contractor shall explain or rank policy; explain or rank alternative actions; describe procedures used to arrive at recommendations; summarize the substance of deliberation; report any dissenting views; and cite sources relied upon.

Deliverable/Activity	Due Date	
Conference Call with Applicant and EPA	11/15/2018	
Site Visit/QAPP	11/30/2018	
Phase I Report	12/10/2018	
·		

APPENDIX B

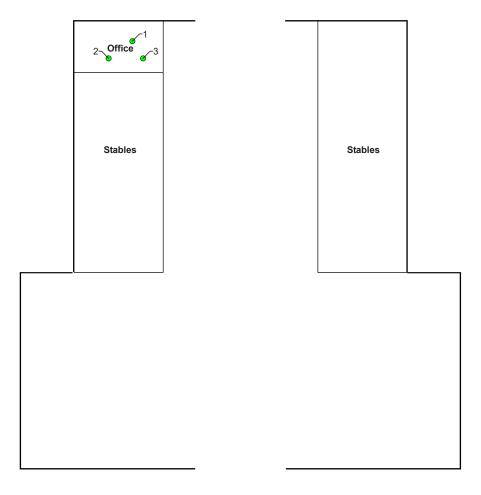
**FIGURES** 





Sample Key	Table
------------	-------

Key	Sample No.
1.00	Asbestos
1	LIN-1
2	LIN-2
3	L1N-3



## Legend

Non-asbestos Containing Material Sample Location



Callahan Property 210 Strecker Road Wildwood, Missouri

## Figure 3 Sample Location Map

200040

Project No: X9025.14.0002.05

# APPENDIX C SITE PHOTOGRAPHS



TETRA TECH
PROJECT NO.
X9025.14.0002.058

DIRECTION: North

_			
	DESCRIPTION	This photograph shows the area north of the subject property.	1
	CLIENT	Environmental Protection Agency - Region 7	DATE
	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH
PROJECT NO.
X9025.14.0002.058

DIRECTION: East

DESCRIPTION	This photograph shows a residence on the adjoining property east of the subject property.	2
CLIENT	Environmental Protection Agency - Region 7	DATE
PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO. X9025.14.0002.058

DIRECTION: South

DESCRIPTION	IPTION This photograph shows the southern portion of the subject property, with residential properties beyond.	
CLIENT	Environmental Protection Agency - Region 7	DATE
PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO. X9025.14.0002.058

DIRECTION: Northwest

DESCRIPTION	This photograph shows residential properties west of the subject property.	4	
CLIENT	Environmental Protection Agency - Region 7	DATE	
PHOTOGRAPHER	Ann Marie Pohlman	12/11/18	



TETRA TECH PROJECT NO. X9025.14.0002.058

DIRECTION: West

DESCRIPTION	This photograph shows the pond on the western portion of the subject property, with residential properties beyond.	5
CLIENT	Environmental Protection Agency - Region 7	
PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO. X9025.14.0002.058

DIRECTION: Southwest

DESCRIPTION	This photograph shows the drum burial area remediated in 2012 on the western portion of the subject property, south of the pond.	6
CLIENT	Environmental Protection Agency - Region 7	DATE
PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH
PROJECT NO.
X9025.14.0002.058

DIRECTION: North

Ť					
	DESCRIPTION	This photograph shows the drum burial area remediated in 2012 on the western portion of the subject property, south of the pond.	7		
	CLIENT	Environmental Protection Agency - Region 7	DATE		
	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18		



TETRA TECH
PROJECT NO.
X9025.14.0002.058

DIRECTION: South

DESCRIPTION	SCRIPTION This photograph shows access to the subject property from Strecker Road.	
CLIENT	Environmental Protection Agency - Region 7	DATE
PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO.	DESCRIPTION	This photograph shows the gravel driveway from Strecker Road leading to the barn on the subject property.	9
X9025.14.0002.058	CLIENT	Environmental Protection Agency - Region 7	DATE
DIRECTION: South	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO.	DESCRIPTION	This photograph shows the barn on the central portion of the subject property.	10
X9025.14.0002.058	CLIENT	Environmental Protection Agency - Region 7	DATE
DIRECTION: Southeast	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO.	DESCRIPTION	This photograph shows the stables in the barn on the subject property.	11	
X9025.14.0002.058	CLIENT	Environmental Protection Agency - Region 7	DATE	
DIRECTION: Southeast	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18	



TETRA TECH PROJECT NO.	DESCRIPTION	This photograph shows 1- and 5-gallon buckets of paint and miscellaneous trash in the barn on the subject property.	12
X9025.14.0002.058	CLIENT	Environmental Protection Agency - Region 7	DATE
DIRECTION: Northeast	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO.	DESCRIPTION	This photograph shows a lawnmower and other miscellaneous items in the barn on the subject property.	13
X9025.14.0002.058	CLIENT	Environmental Protection Agency - Region 7	DATE
DIRECTION: Southwest	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO.	DESCRIPTION	This photograph shows a low-lying area with standing water east of the barn on the subject property.	14
X9025.14.0002.058	CLIENT	Environmental Protection Agency - Region 7	DATE
DIRECTION: East	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO.	DESCRIPTION	This photograph shows an empty, unmarked 55-gallon drum located on the east side of the barn on the subject property.	15
X9025.14.0002.058	CLIENT	Environmental Protection Agency - Region 7	DATE
DIRECTION: Northwest	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO. X9025.14.0002.058  DIRECTION: Southeast	DESCRIPTION	This photograph shows pole-mounted transformers along Strecker Road north of the subject property.	16
	CLIENT	Environmental Protection Agency - Region 7	DATE
	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO.	DESCRIPTION	This photograph shows the area along Strecker Road, north of the subject property.	17
X9025.14.0002.058	CLIENT	Environmental Protection Agency - Region 7	DATE
DIRECTION: East	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO. X9025.14.0002.058	DESCRIPTION	This photograph shows the area along Strecker Road, north of the subject property.	18
	CLIENT	Environmental Protection Agency - Region 7	DATE
DIRECTION: West	PHOTOGRAPHER	Ann Marie Pohlman	12/11/18



TETRA TECH PROJECT NO.	DESCRIPTION	This photograph shows the suspect asbestos-containing material (ACM) linoleum in the office of the barn.	19
X9025.14.0002.058	CLIENT	Environmental Protection Agency - Region 7	DATE
DIRECTION: Southwest	PHOTOGRAPHER	Ann Marie Pohlman	1/15/19



TETRA TECH PROJECT NO. X9025.14.0002.058	DESCRIPTION	This photograph shows the suspect ACM linoleum in the barn.	20
	CLIENT	Environmental Protection Agency - Region 7	DATE
DIRECTION: None	PHOTOGRAPHER	Ann Marie Pohlman	1/15/19



TETRA TECH PROJECT NO.	DESCRIPTION	This photograph shows 1- and 5-gallon buckets of paint and miscellaneous trash in the barn on the subject property.	21	
X9025.14.0002.058	CLIENT	Environmental Protection Agency - Region 7	DATE	
DIRECTION: Southeast	PHOTOGRAPHER	Ann Marie Pohlman	1/15/19	



TETRA TECH PROJECT NO. X9025.14.0002.058  DIRECTION: Northeast	DESCRIPTION	This photograph shows miscellaneous items in the barn on the subject property.	22
	CLIENT	Environmental Protection Agency - Region 7	DATE
	PHOTOGRAPHER	Ann Marie Pohlman	1/15/19

### Callahan Property Wildwood, Missouri



TETRA TECH PROJECT NO.	DESCRIPTION	This photograph shows pallets of ice melt and Quikrete in the barn on the subject property.	23
X9025.14.0002.058	CLIENT	Environmental Protection Agency - Region 7	DATE
DIRECTION: West	PHOTOGRAPHER	Ann Marie Pohlman	1/15/19

### APPENDIX D ASBESTOS LABORATORY RESULTS AND CHAIN-OF-CUSTODY FORMS



2033 HERITAGE PARK DR, OKLAHOMA CITY, OK 73120 | 1.800.822.1650

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	304046	Client:	Tetra Tech EM, Inc

Account Number: B229 415 Oak Street
Kansas City, MO 64106

Date Received: 01/17/2019
Received By: Taylor Hooper

Date Analyzed: 01/24/2019 Project: Callahan Property
Analyzed By: Benjamin Hill Project Location: Wildwood, Missouri

Methodology: EPA/600/R-93/116 Project Number: 103X9025140002.058

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	LIN-1	Homogeneous	White Linoleum	Asbestos Not Present	Glass Fiber Synthetic	5 5	CaCO3 Vinyl
002	LIN-2	Homogeneous	White Linoleum	Asbestos Not Present	Glass Fiber Synthetic	5 5	CaCO3 Vinyl
003	LIN-3	Homogeneous	White Linoleum	Asbestos Not Present	Glass Fiber Synthetic	5 5	CaCO3 Vinyl

Benjamin Hill, Laboratory Technician

Date of Report



### **ASBESTOS CHAIN OF CUSTODY**

Page 1 of

For Lab Use Only

Lab No.

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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	o)	Contact Information				Pro	Project Information	Report Re	Report Results (☑ one box)
Com	Company: Tetra Tech		Phone:		Project Name:	Sallah	Callahan Property	Qua	QuanTEM Website
Contact:	act: Ann Pholman		Cell Phone: (63	Cell Phone: (636) 387-2174	Project Location:	Vildwo	Project Location: Wildwood, Missouri	Ema	Email annmane.pohlman@tetratech.com
Ассо	Account #:		E-mail: ennmarie.p	pohlman@tetratech.com	Project ID:	03X9	103X9025140002.058	Other	e.
SAN	SAMPLED BY: Name: Megan Sawyer	wyer	Date: 1/15/2	72019	P.O. Number:				
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$\rightarrow$	Bulk Analysis (EPA 600/R-93/116)	Vermiculite Attic Insulation	Sulation	Air- AHERA			Bulk- Presence / Absence EPA600/R-93/116		Rush
	400 Point Count	(EPA 600/R-04/004)		Air- NIOSH 7402	2		Bulk-Quantitative [weight%]- Chatfield		Same Day
	1000 Point Count			Air- ISO 10312			Dust- Presence / Absence		24 - Hour
	Gravimetric Preparation	PCM		Drinking Water- EPA 100.2	~ EPA 100.2		Dust-Quantitative [fibers/sq.cm]- ASTM D5755		3 - Day
	Particle ID	NIOSH 7400		Waste Water- E	Waste Water- EPA 600/4-83-043		Other	>	5 - Day

Comments / Notes

Volume / Area (as applicable)

Description

Linoleum Linoleum Linoleum

White White

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LIN-1

 $\geq$ 

LIN-2 LIN-3

4 0 0

Color

☑ To Be Analyzed

Sample ID (10 Characters Max)

No.

100 SF 100 SF

100 SF

SATURDAY FEDEX SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup" Please Note - UPS and USPS are NOT available for Saturday Delivery

10

00 00

### APPENDIX E

INTERVIEW DOCUMENTATION AND USER-PROVIDED INFORMATION

S	SITE NAME: Callahan Property					
S	SITE ADDRESS: 210 Strecker Road					
DA	DATE: 12/6/2018					
TE	TETRA TECH PROJECT NUMBER: 103X9025140002.058	14000	2.058			
PR	PREPARED BY: Debbie Shelton (Owner) & Ann Marie Pohlman (Tetra Tech)	nn Mar	ie Pohlm	an (Te	etra Tech	
8	COMPANY: Tetra Tech (Observed section)					
	GENERAL QUESTION	S REG	ARDING	PROP	ERTY CO	UESTIONS REGARDING PROPERTY CONDITION
	AS	IM REL	ASTM RELATED QUESTIONS	JEST	SNO	
	NOIFSELION	Owner	Occupant	₽-	Observed	
		Υ	5	$\vdash$	<b>D</b>	COMMENTS
Ta	Is the property used for an industrial use?	×			×	
9	Is any adjoining property used for an industrial use?	×			×	
2a	Did you observe evidence or do you have any prior knowledge that the property has been used for an industrial use in the past?	×			×	
2b	Did you observe evidence or do you have any prior knowledge that the adjoining property has been used for an industrial use in the past?	×			×	
38	is the property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? (If applicable, identify which.)	×			×	
36	Is the adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility? (If applicable, identify which.)	×			7	

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Owner	z	×	×	×	×	×	×	×	×
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NOTESTIO		Did you observe evidence or do you have any prior knowledge that the property has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment storage, disposal, processing, or recycling facility? (If applicable, identify which.)	Did you observe evidence or do you have any prior knowledge that the adjoining property has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment storage, disposal, processing, or recycling facility? (If applicable, identify which.)	Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints or other chemicals in individual containers of > 5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the property or at the facility?	Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, pesticides, paints or other chemicals in individual containers of > 5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the property or at the facility?	Are there currently any industrial drums (typically 55 gal (208 L)) or sacks of chemicals located on the property or at the facility?	Did you observe evidence or do you have any prior knowledge that there have been previously any industrial drums (typically 55 gal (208 L)) or sacks of chemicals located on the property or at the facility?	Did you observe evidence or do you have any prior knowledge that fill dirt has been brought onto the property that originated from a contaminated site?	Did you observe evidence or do you have any prior knowledge that fill dirt has been brought onto the property
		<b>4</b> a	4b	5a		6a	eb	7a	7b

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	COMMENTS	Apond is lasted on western passing the property but is not used in considerately with the property of the prop			Just what I was told. Stand Soil was associated					
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NOITSELFO	Section 1	Are there currently any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?	Did you observe evidence or do you have any prior knowledge that there have been previously any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?	Is there currently any stained soil on the property?	Did you observe evidence or do you have any prior knowledge that there has been previously any stained soil on the property?	Are there currently any registered or unregistered storage tanks (above or underground) located on the property?	Did you observe evidence or do you have any prior knowledge that there have been previously, any registered or unregistered storage tanks (above or underground) located on the property?	Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure on the property?	Did you observe evidence or do you have any prior knowledge that there have been previously any vent pipes, fill pipes, or access ways indicating a fill pipe profruding from the ground on the property or adjacent to any structure located on the property?	Are there currently any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?
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	COMMENTS	Three monitoring valls were provincy with and soldier when the property. He ground water conformation has shown and all three orally have been removed	Three muly taking wells were provincing western and sometime to property, the growther contamination was found and all three wills have been transcept.					
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Did you observe evidence or do you have any prior knowledge that there have been previously any flooring, drains, or walls within the facility that are stained by substances other than water or were emitting foul odors?	QUESTION	If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?	If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?	Does the owner or occupant of the property have any knowledge of environmental liens or governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?	Has the owner or occupant of the property been informed of the past existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?	Has the owner or occupant of the property been informed of the current existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?	Has the owner or occupant of the property been informed of the past existence of environmental violations with respect to the property or any facility located on the property?	Has the owner or occupant of the property been informed of the current existence of environmental violations with respect to the property or any facility located on the property?
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	COMMENTS				Drives were prevently paried after Subject more in the 1980s and howe suit been remind, along unto the Contemporated soil associated with the waste.		Yes	The Edisville site is benta N-NG of the subject property and had expressing contain the property	→
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ω		<u>.                                    </u>	0	0	* _ c	ju .		P.	
Does the owner or occupant of the property have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?	QUESTION	Does the owner or occupant of the property know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property?	Does the property discharge waste water, on or adjacent to the property, other than storm water, into a storm water sewer system?	Does the property discharge waste water, on or adjacent to the property, other than storm water, into a sanitary sewer system?	Did you observe evidence or do you have any prior knowledge that any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property?	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	Is there any knowledge of a valuation reduction for the property based upon environmental issues?	Is there any knowledge of activity and use limitations placed on the property due to residual contamination?	Is there any knowledge of activity and use limitations placed on adjacent properties due to residual contamination?
9		71	18a	18b	6	20	21	22a	22b

There is aftere autoenorpoon positions and enstrumptions of the property; the soutenortan	The Ellisville Sife is located NAVE at the subsect properts and has wearbailed access follow
×	×
×	×
Is there any knowledge of the property being abandoned or evidence of unauthorized uses or uncontrolled access to the property?	Is there any knowledge of an adjacent property being abandoned or evidence of unauthorized uses or uncontrolled access to the property?
23a	23b

NON		EZ25905	Contract of the	SALE STACK	September 1	2007-2012	3	
NOITSELLO	Owi	Jer.	ő	cupar	19/	Obse	irved	
SOESTION.	7	1	>	z	_	7	12	COMMENTS
Are there any wetland or floodplains? (100-year or 500-year floodplains?)						7		
Are there any streams or ditches that run through or adjacent to the property?						V	-	Drawing deterns run along the contrar divident
Are there any low areas where water ponds with snowmelt or after rainstorms?						^	24	Southern parties of property.
Any known or suspected asbestos-containing materials? What year was the property/structure constructed?	Ê	<u></u>			-	¥	-	Bern was constructed between 1900 and 1996.
Any known or suspected lead-based paint? Date constructed?		u u				2	-	Bur or bestructed between 1900 add1966
Radon issues? How long will the area be occupied? Is the area in a basement?		, ,				2	10	Barn 15 two chupid.
	Are there any wetland or floodplains? (100-year or £ floodplains?)  Are there any streams or ditches that run through or adjacent to the property?  Are there any low areas where water ponds with sno or after rainsforms?  Any known or suspected asbestos-containing materi What year was the property/structure constructed?  Any known or suspected lead-based paint? Date constructed?  Radon issues? How long will the area be occupied? area in a basement?	Are there any wetland or floodplains? (100-year or £ floodplains?)  Are there any streams or ditches that run through or adjacent to the property?  Are there any low areas where water ponds with sno or after rainsforms?  Any known or suspected asbestos-containing materi What year was the property/structure constructed?  Any known or suspected lead-based paint? Date constructed?  Radon issues? How long will the area be occupied? area in a basement?	Are there any wetland or floodplains? (100-year or £ floodplains?)  Are there any streams or ditches that run through or adjacent to the property?  Are there any low areas where water ponds with sno or after rainstorms?  Any known or suspected asbestos-containing materi What year was the property/structure constructed?  Any known or suspected lead-based paint? Date constructed?  Radon issues? How long will the area be occupied? area in a basement?	Are there any wetland or floodplains? (100-year or 500-year floodplains?)  Are there any streams or ditches that run through or adjacent to the property?  Are there any low areas where water ponds with snowmelt or after rainsforms?  Any known or suspected asbestos-containing materials?  What year was the property/structure constructed?  Any known or suspected lead-based paint? Date constructed?  Radon issues? How long will the area be occupied? Is the area in a basement?	Are there any wetland or floodplains? (100-year or £ floodplains?)  Are there any streams or ditches that run through or adjacent to the property?  Are there any low areas where water ponds with sno or after rainsforms?  Any known or suspected asbestos-containing materi What year was the property/structure constructed?  Any known or suspected lead-based paint? Date constructed?  Radon issues? How long will the area be occupied? area in a basement?	Are there any wetland or floodplains? (100-year or £ floodplains?)  Are there any streams or ditches that run through or adjacent to the property?  Are there any low areas where water ponds with sno or after rainsforms?  Any known or suspected asbestos-containing materi What year was the property/structure constructed?  Any known or suspected lead-based paint? Date constructed?  Radon issues? How long will the area be occupied? area in a basement?	Are there any wetland or floodplains? (100-year or £ floodplains?)  Are there any streams or ditches that run through or adjacent to the property?  Are there any low areas where water ponds with sno or after rainstorms?  Any known or suspected asbestos-containing materi What year was the property/structure constructed?  Any known or suspected lead-based paint? Date constructed?  Radon issues? How long will the area be occupied? area in a basement?	Are there any wetland or floodplains? (100-year or 500-year x floodplains?)  Are there any streams or ditches that run through or adjacent to the property?  Are there any low areas where water ponds with snowmelt x adjacent to the property?  Are there any low areas where water ponds with snowmelt x adjacent to the property?  Any known or suspected asbestos-containing materials?  Any known or suspected lead-based paint? Date constructed?  Any known or suspected lead-based paint? Date x x ansatureted?  Any known or suspected lead-based paint? Date x x area in a basement?

1		OR	ACT	FOR ACTIVE FAGILITIES		IES		
	QUESTION	<b></b> }≻	Owner N U	Occupant Y N U		Observed Y N U	o o	COMMENTS
25	Any visual signs of indoor air quality issues? For example excessive dust, smells, or mold observed on the walls?		×					
26	Community Right to Know posting of Materials Safety Data Sheets and/or other health related information?		×	- 1 -				
27	Are employees wearing PPE for work conditions noted? For example, hard-toed shoes, hard hat, safety glasses, hearing protection, etc?	-	×					
28	Does there appear to be excessive noise issues?		×					
29	Other potential unsafe working conditions identified?		×					
30	Health and safety gear observed, such as, first aid kits, fire extinguishers, or eye wash stations?		×					
<del>2</del>	Are there any pits, tanks, or sumps that must be entered by employees that may be a confined space?		×					
32	Are there any historical or active septic systems?		×					

	GOVERNMENT RECORDS/HISTORICAL SOURCES INQUIRY	SOI	UR.	ES INQUIRY
	Do any of the following Federal government record systems list the property or any property within the circumference of the area noted below:	>	z	COMMENTS
33	National Priorities List – within 1.0 mile (1.6 Km)?	×	×	Wilsyell Site books novenot structor food
	CERCLIS List – within 0.5 mile (0.8 Km)?	X	×	MICHAILE SUR On Mad - Maries Arism works of Straton
	RCRA CORRACTS Facilities – within 1.0 mile (1.6 Km)?		×	
	RCRA non-CORRACTS TSD Facilities – within 0.5 mile (0.8 Km)?		×	
	Do any of the following state record systems list the property or any property within the circumference of the area noted below:	>	Z	COMMENTS
34	List maintained by state environmental agency of hazardous waste sites identified for investigation or remediation that is the state equivalent to National Priorities List – within 1.0 mile (1.6 Km)?	N. S.	X	X Bliss Property
	List maintained by state environmental agency of sites identified for investigation or remediation that is the state equivalent to CERCLIS List – within 0.5 mile (0.8 Km)?	×	×	WILLVILL SIFE number of Streeter Road
	Leaking Underground Storage Tank (LUST) List – within 0.5 mile (0.8 Km)?		×	
	Solid Waste/Landilli Facilities - Within 0.5 mile (0.8 km)?		×	
E.		z	K/A	COMMENTS
	improvements on the property or on an adjoining property identified as having been used for an industrial use or uses likely to lead to contamination of the property?	×	×	
XEY:	KEY: Y = YES, N = NO, U = UNKNOWN, N/A = NOT APPLICABLE		]	
Pre	Prepared by: Deborch 6 Steller (Owner),		Ann	Ann Marie Pohlman (Tetra Tech)
Sig	Signature: Obout A Shilth Date: 1/2/2019 Signature:	natu	e.``	And Me Date 1-7-19
	Tetra Tech			

### Pohlman, AnnMarie

From: MoDNR Sunshine Request Tracking <missouridnr@mycusthelp.net>

**Sent:** Friday, December 7, 2018 1:48 PM

**To:** Pohlman, AnnMarie

**Subject:** [Records Center] No Records Found :: Q004165-120518

Follow Up Flag: Follow up Flag Status: Flagged

RE: PUBLIC RECORDS REQUEST of Reference # Q004165-120518

Dear Ann,

The Missouri Department of Natural Resources received a public information request from you on December 05, 2018. Your request mentioned:

"210 Strecker Road Wildwood, MO 63011

Superfund investigation reports, cleanup plans, and orders.

Underground storage tank files

**Inspection Reports** 

**Enforcement actions** 

Hazardous waste transporters

**PCBs** 

Transporter licences Groundwater reports

**RCRA** 

Waste manifest reports

Site characterization reports

Remedial action completion reports

VCP/BVCP site files

Drycleaner registration files

Certificates of completetion"

Under the Missouri Sunshine Law, Chapter 610 RSMo, the Department has conducted a review of its files and was unable to locate any records responsive to your request.

If you have any questions, or wish to discuss this further, you may contact me.

Sincerely,

Stuart Baker

Custodian of Records

Missouri Department of Natural Resources

573-751-9857

### APPENDIX F EDR RADIUS MAP WITH GEOCHECK

### **Callahan Property**

210 Strecker Road Ballwin, MO 63011

Inquiry Number: 5495488.2s

November 27, 2018

### The EDR Radius Map™ Report with GeoCheck®



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**Thank you for your business.**Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

### **ADDRESS**

210 STRECKER ROAD BALLWIN, MO 63011

### **COORDINATES**

Latitude (North): 38.5965740 - 38° 35' 47.66" Longitude (West): 90.6054700 - 90° 36' 19.69"

Universal Tranverse Mercator: Zone 15 UTM X (Meters): 708537.8 UTM Y (Meters): 4274522.0

Elevation: 712 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 6725263 MANCHESTER, MO

Version Date: 2015

Southwest Map: 6727156 EUREKA, MO

Version Date: 2015

### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20140720 Source: USDA

### MAPPED SITES SUMMARY

Target Property Address: 210 STRECKER ROAD BALLWIN, MO 63011

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	ELLISVILLE SITE	NEAR ELLISVILLE	NPL, SEMS, US ENG CONTROLS, ROD, PRP, ICIS	Same	80, 0.015, North
1	EATON ARENA	201 STRECKER RD	SEMS-ARCHIVE	Higher	48, 0.009, NNW
A2	MID AMERICA ARENA SU	146 STRECKER RD	SEMS	Higher	463, 0.088, ENE
A3	A ONE OIL INC	147 STRECKER RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	493, 0.093, ENE
B4	ELLISVILLE SITE REMO	149 STRECKER RD	RCRA NonGen / NLR	Lower	993, 0.188, NNE
B5	ELLISVILLE-BLISS	149 STRECKER ROAD	SHWS, SMARS	Lower	993, 0.188, NNE
6	H BAR 7 RANCH	48 STRECKER RD	SEMS-ARCHIVE	Higher	1536, 0.291, SSE

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list					
	Proposed National Priority List Sites				
NPL LIENS.					
Federal Delisted NPL site lis	st .				
Delisted NPL	National Priority List Deletions				
Federal CERCLIS list					
FEDERAL FACILITY	Federal Facility Site Information listing				
Federal RCRA CORRACTS	facilities list				
CORRACTS	Corrective Action Report				
Federal RCRA non-CORRACTS TSD facilities list					
RCRA-TSDF	RCRA - Treatment, Storage and Disposal				
Federal RCRA generators li	st				
	RCRA - Large Quantity Generators				
	RCRA - Small Quantity Generators				
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator				
Federal institutional control	s / engineering controls registries				
LUCIS	Land Use Control Information System				
US INST CONTROL	Sites with Institutional Controls				
Federal ERNS list					
	E N. C. C. O. A.				
EKN5	Emergency Response Notification System				
State and tribal landfill and/	or solid waste disposal site lists				
SWF/LF	Permitted Facility List				

LUST..... Leaking Underground Storage Tanks LAST..... Leaking Aboveground Storage Tanks

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

UST..... Petroleum Storage Tanks

AST..... Aboveground Petroleum Storage Tanks INDIAN UST..... Underground Storage Tanks on Indian Land

### State and tribal institutional control / engineering control registries

AUL..... Sites with Controls

### State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing VCP...... Voluntary Cleanup Program Site Listing

### State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site List

### ADDITIONAL ENVIRONMENTAL RECORDS

### Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

### Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Solid Waste Recycling Facilities HIST LF..... Solid Waste Facility Database List

INDIAN ODI\_\_\_\_\_ Report on the Status of Open Dumps on Indian Lands DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI...... Open Dump Inventory IHS OPEN DUMPS...... Open Dumps on Indian Land

### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

CDL Environmental Emergency Response System
DEL SHWS Registry Sites Withdrawn or Deleted US CDL...... National Clandestine Laboratory Register

### Local Land Records

LIENS 2..... CERCLA Lien Information

### Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Environmental Response Tracking Database SPILLS 90 data from FirstSearch

### Other Ascertainable Records

FUDS..... Formerly Used Defense Sites DOD..... Department of Defense Sites

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION........... 2020 Corrective Action Program List

TSCA..... Toxic Substances Control Act

TRIS...... Toxic Chemical Release Inventory System

SSTS..... Section 7 Tracking Systems RMP...... Risk Management Plans

RAATS...... RCRA Administrative Action Tracking System

PRP...... Potentially Responsible Parties PADS...... PCB Activity Database System

ICIS...... Integrated Compliance Information System

Act)/TSCA (Toxic Substances Control Act)

..... Material Licensing Tracking System COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS...... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

US MINES...... Mines Master Index File ABANDONED MINES..... Abandoned Mines

FINDS..... Facility Index System/Facility Registry System DOCKET HWC..... Hazardous Waste Compliance Docket Listing

UXO...... Unexploded Ordnance Sites

ECHO..... Enforcement & Compliance History Information

FUELS PROGRAM..... EPA Fuels Program Registered Listing

AIRS..... Permit Facility Listing ASBESTOS..... Asbestos Notification Listing COAL ASH...... Coal Ash Disposal Sites
DRYCLEANERS....... Drycleaners in Missouri Listing Financial Assurance Information Listing MINES..... Industrial Mineral Mines Database

NPDES..... Permitted Facility Listing

MO RRC..... Certified Hazardous Waste Resource Recovery Facilities

UIC...... Underground Injection Wells Database

### **EDR HIGH RISK HISTORICAL RECORDS**

### **EDR Exclusive Records**

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR Hist Auto\_\_\_\_\_\_ EDR Exclusive Historical Auto Stations EDR Hist Cleaner\_\_\_\_\_ EDR Exclusive Historical Cleaners

### **EDR RECOVERED GOVERNMENT ARCHIVES**

### Exclusive Recovered Govt. Archives

RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

### Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 08/13/2018 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ELLISVILLE SITE Cerclis ID:: 701205	NEAR ELLISVILLE	N 0 - 1/8 (0.015 mi.)	0	8
EPA Id: MOD980633010				

### Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on

the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 08/13/2018 has revealed that there are 2 SEMS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ELLISVILLE SITE Site ID: 0701205 EPA Id: MOD980633010	NEAR ELLISVILLE	N 0 - 1/8 (0.015 mi.)	0	8
MID AMERICA ARENA SU Site ID: 0701449 EPA Id: MOD980861934	146 STRECKER RD	ENE 0 - 1/8 (0.088 mi.)	A2	31

### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 08/13/2018 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EATON ARENA Site ID: 0701393 EPA Id: MOD980854160	201 STRECKER RD	NNW 0 - 1/8 (0.009 mi.)	1	30
H BAR 7 RANCH Site ID: 0701312 EPA Id: MOD980687867	48 STRECKER RD	SSE 1/4 - 1/2 (0.291 mi.)	6	42

### Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 07/31/2018 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ELLISVILLE SITE	NEAR ELLISVILLE	N 0 - 1/8 (0.015 mi.)	0	8

EPA ID:: MOD980633010 EPA ID:: MOD980633010

### State- and tribal - equivalent CERCLIS

SHWS: Registry and Registry Log.

A review of the SHWS list, as provided by EDR, has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ELLISVILLE-BLISS	149 STRECKER ROAD	NNE 1/8 - 1/4 (0.188 mi.)	B5	37
Database: SHWS. Date of Governr	nent Version: 07/02/2018			

### ADDITIONAL ENVIRONMENTAL RECORDS

### Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
A ONE OIL INC EPA ID:: MOD980852040	147 STRECKER RD	ENE 0 - 1/8 (0.093 mi.)	A3	32	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
ELLISVILLE SITE REMO	149 STRECKER RD	NNE 1/8 - 1/4 (0.188 mi.)	B4	34	

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 08/13/2018 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ELLISVILLE SITE	NEAR ELLISVILLE	N 0 - 1/8 (0.015 mi.)	0	8
EPA ID:: MOD980633010				

SMARS: SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and Missouri's other state response programs.

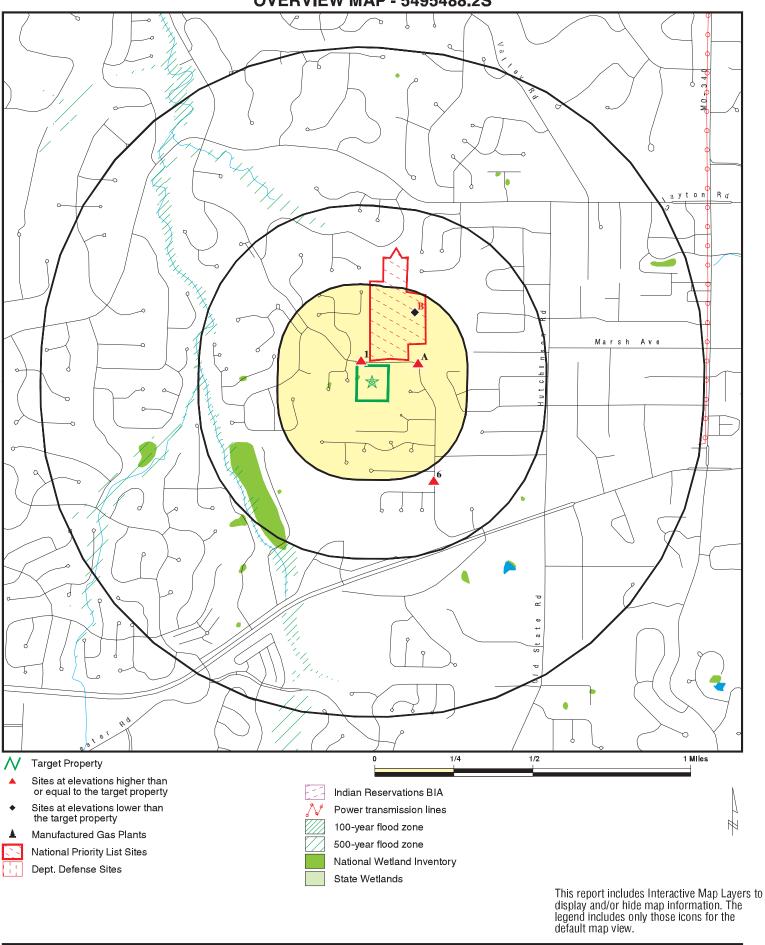
A review of the SMARS list, as provided by EDR, and dated 10/09/2018 has revealed that there is 1 SMARS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ELLISVILLE-BLISS	149 STRECKER ROAD	NNE 1/8 - 1/4 (0.188 mi.)	B5	37

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

Site Name	Database(s)
BALLWIN BAPTIST CHURCH	SEMS-ARCHIVE
CALVARY CHRISTIAN CHURCH	SEMS-ARCHIVE
SOS RENTAL	SEMS-ARCHIVE
BALLWIN ATHLETIC ASSOC FIELD	SEMS-ARCHIVE
KULLAS RIDING ACADEMY	SEMS-ARCHIVE
BRIDLE TRAILS WEST	SEMS-ARCHIVE
HOULIHAN RESIDENCE	SEMS-ARCHIVE

### **OVERVIEW MAP - 5495488.2S**



SITE NAME: Callahan Property ADDRESS: 210 Strecker Road Ballwin MO 63011

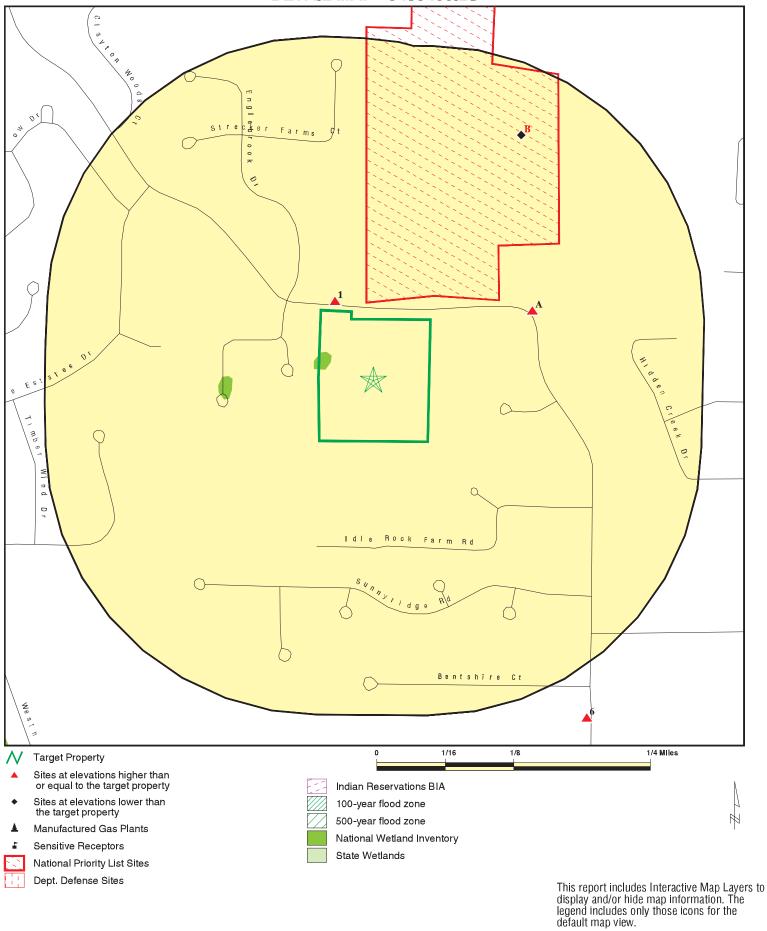
38.596574 / 90.60547

LAT/LONG:

CLIENT: Tetra Tech EMI CONTACT: Ann Marie Pohlman

INQUIRY #: 5495488.2s DATE: November 27, 2018 4:09 pm

### **DETAIL MAP - 5495488.2S**



SITE NAME: Callahan Property
ADDRESS: 210 Strecker Road
Ballwin MO 63011
LAT/LONG: 38.596574 / 90.60547

CLIENT: Tetra Tech EMI
CONTACT: Ann Marie Pohlman
INQUIRY #: 5495488.2s
DATE: November 27, 2018 4:10 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 TP		1 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	1 0 0
Federal Delisted NPL sit	te list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 2	0 0	0 0	NR NR	NR NR	0 2
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		1	0	1	NR	NR	2
Federal RCRA CORRAC	TS facilities lis	t						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD fa	cilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional cor engineering controls re								
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 1 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 1 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equiva	alent CERCLIS							
SHWS	1.000		0	1	0	0	NR	1
State and tribal landfill a solid waste disposal site								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking	storage tank lis	sts						
LUST LAST INDIAN LUST	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
State and tribal register	ed storage tank	c lists						
FEMA UST	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST AST INDIAN UST	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
State and tribal institutio control / engineering cor		S						
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary	/ cleanup site	s						
INDIAN VCP VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	lds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	TAL RECORDS							
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
SWRCY HIST LF INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US HIST CDL CDL DEL SHWS US CDL	TP TP 1.000 TP		NR NR 0 NR	NR NR 0 NR	NR NR 0 NR	NR NR 0 NR	NR NR NR NR	0 0 0 0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency R	Release Repor	rts						
HMIRS SPILLS SPILLS 90	TP TP TP		NR NR NR	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR	0.250 1.000 1.000 0.500 TP		1 0 0 0 NR	1 0 0 0 NR	NR 0 0 0 NR	NR 0 0 NR NR	NR NR NR NR NR	2 0 0 0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	Ö
TRIS	TP		NR	NR	NR	NR	NR	Ö
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		1	0	0	0	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO HIST FTTS	TP TP		NR	NR	NR NR	NR	NR	0
DOT OPS	TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	Ö	Ö	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	Ö
US MINES	0.250		0	0	NR	NR	NR	Ö
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance MINES	TP 0.250		NR 0	NR 0	NR NR	NR NR	NR NR	0 0
NPDES	TP		NR	NR	NR	NR	NR	0
MO RRC	TP		NR	NR	NR	NR	NR	0
SMARS	0.500		0	1	0	NR	NR	1
UIC	TP		NR	NR	NR	NR	NR	Ö
0.0								· ·
EDR HIGH RISK HISTORIC	AL RECORDS							
EDR Exclusive Records	;							
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		Ö	NR	NR	NR	NR	Ö
EDR Hist Cleaner	0.125		Ō	NR	NR	NR	NR	Ō
EDR RECOVERED GOVER		/ES						
		<u> </u>						
Exclusive Recovered G	ovt. Archives							
RGA HWS	TP		NR	NR	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LF RGA LUST	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
- Totals		0	7	3	1	0	0	11

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS Map ID

Direction Distance

80 ft.

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**NPL ELLISVILLE SITE** Region **NEAR ELLISVILLE** North **ELLISVILLE, MO 63011** < 1/8

1000444560 MOD980633010 SEMS **US ENG CONTROLS** 

ROD PRP **ICIS** 

NPL:

EPA ID: MOD980633010

701205 Cerclis ID: EPA Region: 7 Federal: Ν

Final Date: 1983-09-08 00:00:00 Site Score: Not reported

38.603330999999997 Latitude: Longitude: -90.618330999999998

Category Details:

NPL Status: Currently on the Final NPL Category Description: Depth To Aquifer-> 100 Feet

Category Value: 150

NPL Status: Currently on the Final NPL

Distance To Nearest Population-> 0 And <= 1/4 Mile Category Description:

Category Value:

Site Details:

Site Name: **ELLISVILLE SITE** 

Site Status: Final Site Zip: 63011 Site City: **ELLISVILLE** Site State: МО Federal Site: No Site County: ST. LOUIS EPA Region: 07 Date Proposed: 12/30/82 Date Deleted: Not reported Date Finalized: 09/08/83

Substance Details:

NPL Status: Currently on the Final NPL

Substance ID: Not reported Substance: Not reported CAS #: Not reported Not reported Pathway: Scoring: Not reported

NPL Status: Currently on the Final NPL

Substance ID: A023 Substance: DDE CAS #: 72-55-9

Pathway: NO PATHWAY INDICATED

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: A046

POLYCHLORINATED BIPHENYLS Substance:

1336-36-3 CAS #:

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

**ELLISVILLE SITE (Continued)** 

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: C311

Substance: PHTHALATES CAS #: Not reported

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: C392

Substance: PHOSPHORIC ACID

CAS #: 7664-38-2

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: P004 Substance: ALDRIN CAS #: 309-00-2

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: P059
Substance: HEPTACHLOR

CAS #: 76-44-8

Pathway: NO PATHWAY INDICATED Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: U061 Substance: DDT CAS #: 50-29-3

Pathway: NO PATHWAY INDICATED

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: U169

Substance: NITROBENZENE

CAS #: 98-95-3

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: W003

Substance: ACID COMPOUNDS

CAS #: Not reported

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: W006

Substance: WASTE LACQUER/PAINT

CAS #: Not reported

Pathway: NO PATHWAY INDICATED

**EDR ID Number** 

1000444560

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number** 

**ELLISVILLE SITE (Continued)** 

1000444560

**EDR ID Number** 

Summary Details:

Scoring:

Conditions at listing October 1981): Three properties, Callahan 28 acres), Rosalie 85 acres), and Bliss 12 acres), near Ellisville, Missouri, are known collectively as the Ellisville site. In 1980, a contractor unearthed buried drums ofpaint solvents and pesticides while constructing a sewer line at the Callahan property. Further investigation revealed two other areas where industrial wastes had been buried within a 1-mile area along Caulks Creek, a tributary of the MissouriRiver. Leachate is flowing from the disposal area to the creek. Ground water, which is used as drinking water, may have been contaminated. This is the top priority site in Missouri. Status July 1983): In January 1982, EPA used310,000 in CERCLA emergency funds to excavate drums and take other emergency actions at the Rosalie and Callahan sites. Since early February 1982, EPA has authori ed about 500,000 part under a Cooperative Agreement with Missouri) for 1) disposal of the excavated drums, 2) a remedial investigation to determine the type and extent of contamination at the Bliss property, and 3) a feasibility study to identify alternatives for remedial actions at all three. The work is scheduled tobe completed in the third quarter of 1983. EPA and the State have identified parties potentially responsible for wastes associated with the site, and their cooperation in the cleanup is being sought.

Site Status Details:

NPL Status: Final 12/30/1982 Proposed Date: Final Date: 09/08/1983 Deleted Date: Not reported

Narratives Details:

NPL Name: **ELLISVILLE SITE** City: **ELLISVILLE** State: MO

SEMS:

Site ID: 701205 MOD980633010 EPA ID:

Cong District: 2 FIPS Code: 29189

38.603330999999997 Latitude: Longitude: -90.618330999999998

FF:

NPL: Currently on the Final NPL

Non NPL Status: Not reported

SEMS Detail:

Region: Site ID: 701205

MOD980633010 EPA ID: Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: 3 Action Code: RA Action Name: RA SEQ: 3

Direction Distance Elevation

n Site Database(s) EPA ID Number

**ELLISVILLE SITE (Continued)** 

Start Date:

1997-07-01 00:00:00

Finish Date: 9/30/1998

Qual: M

Current Action Lead: EPA Perf In-Hse

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 2

 Action Code:
 RD

 Action Name:
 RD

 SEQ:
 7

Start Date: 1991-10-07 00:00:00

Finish Date: 1/30/1996
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 4

 Action Code:
 RD

 Action Name:
 RD

 SEQ:
 4

Start Date: 1991-10-07 00:00:00 Finish Date: 1/30/1996

Qual: Not reported

Current Action Lead: EPA Perf In-Hse

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 NP

Action Name: PROPOSED

SEQ: 1 Start Date: 1982-12-30 00:00:00

Finish Date: 12/30/1982
Qual: Not reported
Current Action Lead: EPA Perf

 Region:
 7

 Site ID:
 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

**EDR ID Number** 

1000444560

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ELLISVILLE SITE (Continued)** 

Action Code:

RS

**RV ASSESS** Action Name:

SEQ: 3

Start Date: 1992-09-10 00:00:00 Finish Date: 12/31/1992 Not reported Qual: EPA Perf

**Current Action Lead:** 

Region: 7 Site ID: 701205 EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: 0 Action Code: RVAction Name: **RMVL** SEQ:

1992-03-09 00:00:00 Start Date:

Finish Date: 8/24/1994

Qual: С

Current Action Lead: **EPA Perf** 

Region: Site ID: 701205 MOD980633010 EPA ID: Site Name: **ELLISVILLE SITE** NPL:

FF: Ν OU: 0 Action Code: RS

Action Name: **RV ASSESS** 

SEQ:

Start Date: 1991-11-06 00:00:00

11/6/1991 Finish Date: Not reported Qual: Current Action Lead: EPA Perf

Region: 7 Site ID: 701205 EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: 2 Action Code: GM

Action Name: **GWTRMON** 

SEQ: 1994-07-01 00:00:00 Start Date:

Not reported Finish Date: Not reported Qual: Current Action Lead: **EPA Perf** 

Region: Site ID: 701205

EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

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1000444560

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ELLISVILLE SITE (Continued)** 

1000444560

NPL: F FF: Ν OU: 0 Action Code: AS AIR SRVY Action Name:

SEQ:

Start Date: 1990-02-06 00:00:00

Finish Date: 5/17/1990 Qual: Not reported **Current Action Lead: EPA Perf** 

Region: Site ID: 701205 MOD980633010 EPA ID: Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: 2 Action Code: AR

ADMIN REC Action Name:

SEQ: Start Date: 1988-02-19 00:00:00 Finish Date: Not reported Qual:

Current Action Lead: **EPA Perf** 

Region: Site ID: 701205 MOD980633010 EPA ID: ELLISVILLE SITE Site Name:

NPL: FF: Ν OU: Action Code: AR

ADMIN REC Action Name:

SEQ:

Start Date: 1996-06-28 00:00:00 Finish Date: Not reported

Qual:

Current Action Lead: **EPA Perf** 

Region: 701205 Site ID:

MOD980633010 EPA ID: Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: 0 Action Code: AR

ADMIN REC Action Name:

SEQ:

1990-07-31 00:00:00 Start Date: Finish Date: Not reported

Qual:

Current Action Lead: **EPA Perf** 

7 Region:

Direction Distance Elevation

on Site Database(s) EPA ID Number

**ELLISVILLE SITE (Continued)** 

1000444560

**EDR ID Number** 

 Site ID:
 701205

 EPA ID:
 MOD980633010

 Site Name:
 ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 1

 Action Code:
 RO

 Action Name:
 ROD

 SEQ:
 2

Start Date: 1985-07-10 00:00:00

Finish Date: 7/10/1985
Qual: Not reported
Current Action Lead: EPA Perf

 Region:
 7

 Site ID:
 701205

 EPA ID:
 MOD980633010

 Site Name:
 ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RV

 Action Name:
 RMVL

 SEQ:
 1

Start Date: 1982-03-01 00:00:00

Finish Date: 3/31/1982
Qual: C
Current Action Lead: EPA Perf

 Region:
 7

 Site ID:
 701205

 EPA ID:
 MOD980633010

 Site Name:
 ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 CM

 Action Name:
 PCOR

 SEQ:
 1

Start Date: 1997-09-30 00:00:00 Finish Date: 9/30/1997

Qual: Not reported
Current Action Lead: EPA Perf

Region: 7 Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RV

 Action Name:
 RMVL

 SEQ:
 2

Start Date: 1990-06-07 00:00:00

Finish Date: 7/31/1990

Qual: C

Map ID MAP FINDINGS Direction

Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ELLISVILLE SITE (Continued)** 

1000444560

Current Action Lead: **EPA Perf** 

Region: Site ID: 701205

EPA ID: MOD980633010 **ELLISVILLE SITE** Site Name:

NPL: FF: Ν OU: 0 Action Code: AR

Action Name: ADMIN REC

SEQ:

Start Date: 1994-06-29 00:00:00

Finish Date: Not reported

Qual: Current Action Lead: **EPA Perf** 

7 Region:

701205 Site ID:

MOD980633010 EPA ID: **ELLISVILLE SITE** Site Name:

NPL: FF: Ν OU: 0 Action Code: RS

Action Name: **RV ASSESS** 

SEQ:

Start Date: 1993-10-04 00:00:00

3/24/1994 Finish Date: Not reported Qual: Current Action Lead: EPA Perf

Region: Site ID: 701205 EPA ID: MOD980633010 Site Name: ELLISVILLE SITE

NPL: FF: Ν OU: 0 Action Code: RS

Action Name: **RV ASSESS** 

SEQ:

Start Date: 1990-01-16 00:00:00 Finish Date: 8/31/1990 Not reported Qual:

**Current Action Lead:** EPA Perf

Region:

Site ID: 701205 EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: 0 Action Code: SI Action Name: SI SEQ: 1

Direction Distance Elevation

Site Database(s) **EPA ID Number** 

**ELLISVILLE SITE (Continued)** 

1983-12-01 00:00:00

Start Date: Finish Date: 12/1/1983

Qual: Н Current Action Lead: **EPA Perf** 

Region: Site ID: 701205 EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: 0 Action Code: NF Action Name: **NPL FINL** 

SEQ:

Start Date: 1983-09-08 00:00:00

Finish Date: 9/8/1983 Not reported Qual: Current Action Lead: **EPA Perf** 

Region: Site ID: 701205

EPA ID: MOD980633010 **ELLISVILLE SITE** Site Name:

NPL: FF: Ν OU: 2 Action Code: FS Action Name: FS SEQ:

Start Date: 1990-12-31 00:00:00

Finish Date: 9/30/1991 Qual: Not reported **Current Action Lead: EPA Perf** 

Region: Site ID: 701205

MOD980633010 EPA ID: **ELLISVILLE SITE** Site Name:

NPL: F FF: Ν OU: Action Code: FS Action Name: FS SEQ:

Start Date: 1982-11-02 00:00:00

Finish Date: 7/10/1985 Qual: Not reported EPA Perf **Current Action Lead:** 

Region: Site ID: 701205 EPA ID:

MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: F FF: Ν OU: 0

**EDR ID Number** 

1000444560

Direction Distance Elevation

Site Database(s) EPA ID Number

**ELLISVILLE SITE (Continued)** 

1000444560

**EDR ID Number** 

Action Code: DS
Action Name: DISCVRY

SEQ: 1

Start Date: 1980-08-01 00:00:00

Finish Date: 8/1/1980

Qual: Not reported

Current Action Lead: EPA Perf

 Region:
 7

 Site ID:
 701205

 EPA ID:
 MOD980633010

 Site Name:
 ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 PA

 Action Name:
 PA

 SEQ:
 1

Start Date: 1981-03-01 00:00:00

Finish Date: 3/1/1981 Qual: L

Current Action Lead: EPA Perf

 Region:
 7

 Site ID:
 701205

 EPA ID:
 MOD980633010

 Site Name:
 ELLISVILLE SITE

 NPL:
 F

FF: N
OU: 0
Action Code: RV
Action Name: RMVL
SEQ: 6

Start Date: 2012-11-26 00:00:00

Finish Date: 12/14/2012
Qual: C
Current Action Lead: EPA Perf

 Region:
 7

 Site ID:
 701205

 EPA ID:
 MOD980633010

 Site Name:
 ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RV

 Action Name:
 RMVL

 SEQ:
 5

Start Date: 2012-10-24 00:00:00

Finish Date: 10/30/2012 Qual: C

Current Action Lead: EPA Perf

Region: 7 Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

Direction Distance Elevation

**EDR ID Number** Site Database(s) **EPA ID Number** 

**ELLISVILLE SITE (Continued)** 

1000444560

NPL: F FF: Ν OU: 0 Action Code: RV Action Name: **RMVL** SEQ:

Start Date: 2014-03-24 00:00:00

Finish Date: 3/24/2015 Qual: **Current Action Lead: EPA Perf** 

Region: Site ID: 701205 MOD980633010 EPA ID: Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: 0 Action Code: RS

**RV ASSESS** Action Name:

SEQ:

Start Date: 2013-07-16 00:00:00 Finish Date: 7/25/2013

Qual: Not reported EPA Perf Current Action Lead:

Region: Site ID: 701205 MOD980633010 EPA ID: ELLISVILLE SITE Site Name:

NPL: FF: Ν OU: 3 Action Code:  $\mathsf{TV}$ Action Name: Partial Del

SEQ:

Start Date: 2014-06-17 00:00:00 Finish Date: 3/18/2016 Not reported Qual: EPA Perf

Current Action Lead:

Region: Site ID: 701205

EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: F FF: Ν OU: 3 Action Code: GR PART DEL Action Name:

SEQ: 2016-03-19 00:00:00 Start Date:

Finish Date: 7/17/2017 Qual: Not reported Current Action Lead: **EPA** Perf

7 Region:

Direction Distance Elevation

Site Database(s) **EPA ID Number** 

**ELLISVILLE SITE (Continued)** 

701205

Site ID: MOD980633010 EPA ID: Site Name: ELLISVILLE SITE

NPL: FF: Ν OU: 3 Action Code: RD Action Name: RD SEQ:

Start Date: 1984-12-28 00:00:00

Finish Date: 3/28/1991 Qual: M Current Action Lead: **EPA Perf** 

7 Region: Site ID: 701205 EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: 2 Action Code: RO Action Name: ROD SEQ:

Start Date: 1986-09-29 00:00:00 9/29/1986 Finish Date:

Qual: Not reported **Current Action Lead: EPA Perf** 

Region: Site ID: 701205

EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: Ω Action Code: HR **HAZRANK** Action Name:

SEQ:

Start Date: 1982-08-06 00:00:00

Finish Date: 8/6/1982 Qual: Not reported **Current Action Lead: EPA Perf** 

Region: Site ID: 701205

EPA ID: MOD980633010 **ELLISVILLE SITE** Site Name:

NPL: FF: Ν OU: 2 Action Code: FS Action Name: FS SEQ:

Start Date: 1984-08-07 00:00:00

Finish Date: 9/29/1986 Qual: Not reported **EDR ID Number** 

1000444560

Direction Distance Elevation

on Site Database(s) EPA ID Number

**ELLISVILLE SITE (Continued)** 

1000444560

**EDR ID Number** 

Current Action Lead: EPA Perf

 Region:
 7

 Site ID:
 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RV

 Action Name:
 RMVL

 SEQ:
 4

Start Date: 1997-09-26 00:00:00

Finish Date: 9/30/1997
Qual: C
Current Action Lead: EPA Perf

Region: 7

Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 2

 Action Code:
 RA

 Action Name:
 RA

 SEQ:
 4

Start Date: 1996-01-30 00:00:00

Finish Date: 9/30/1998
Qual: Not reported
Current Action Lead: EPA Perf

 Region:
 7

 Site ID:
 701205

 EPA ID:
 MOD980633010

 Site Name:
 ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 CR

 Action Name:
 CI

 SEQ:
 1

Start Date: 1986-01-21 00:00:00

Finish Date: 9/30/1998
Qual: Not reported
Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 1

 Action Code:
 RA

 Action Name:
 RA

 SEQ:
 1

Direction Distance Elevation

Site Database(s) **EPA ID Number** 

**ELLISVILLE SITE (Continued)** 

1000444560

**EDR ID Number** 

1986-07-31 00:00:00 Start Date: Finish Date: 10/31/1986 Qual: Not reported Current Action Lead: St Ovrsght

Region: Site ID: 701205 EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: 1 Action Code: RD Action Name: RD SEQ:

Start Date: 1984-12-28 00:00:00 Finish Date: 7/31/1986 Not reported Qual: Current Action Lead: St Ovrsght

Region: Site ID: 701205 EPA ID: MOD980633010 **ELLISVILLE SITE** Site Name: NPL:

FF: Ν OU: 2 Action Code: BF Action Name: PRP RA SEQ:

1996-01-30 00:00:00 Start Date: Finish Date: 9/30/1998 Qual: Not reported **Current Action Lead: EPA Ovrsght** 

7 Region: Site ID: 701205 MOD980633010 EPA ID: **ELLISVILLE SITE** Site Name: NPL: F

FF: Ν OU: Action Code: BF PRP RA Action Name:

SEQ:

Start Date: 1996-01-25 00:00:00

Finish Date: 9/30/1998 Qual: Not reported **Current Action Lead: EPA Ovrsght** 

Region: Site ID: 701205 MOD980633010 EPA ID: ELLISVILLE SITE

NPL: F FF: Ν OU: 4

Site Name:

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ELLISVILLE SITE (Continued)** 

1000444560

OF Action Code: O AND F Action Name:

SEQ:

Start Date: 1998-08-30 00:00:00

Finish Date: 9/30/1998 Not reported Qual: **Current Action Lead:** EPA Ovrsght

Region: 7 Site ID: 701205 EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: Action Code: RD Action Name: RD SEQ: 3

1987-03-31 00:00:00 Start Date:

Finish Date: 10/2/1990 Qual: Н Current Action Lead: St Perf

Region: Site ID: 701205 MOD980633010 EPA ID: Site Name: **ELLISVILLE SITE** NPL:

FF: Ν OU: 1 Action Code: RΙ Action Name: RΙ SEQ:

1982-03-17 00:00:00 Start Date:

Finish Date: 7/10/1985 Not reported Qual: Current Action Lead: St Perf

Region: 7 Site ID: 701205 EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: FF: Ν OU: 0 Action Code: RS

**RV ASSESS** Action Name:

SEQ:

Start Date: 2016-05-16 00:00:00 Not reported Finish Date: Not reported Qual: **Current Action Lead:** Not reported

US ENG CONTROLS:

MOD980633010 EPA ID: Site ID: 0701205

Direction Distance

Elevation Site Database(s) EPA ID Number

**ELLISVILLE SITE (Continued)** 

1000444560

**EDR ID Number** 

Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

ELLISVILLE, MO 63011

EPA Region: 07

County: ST. LOUIS
Event Code: Not reported
Actual Date: 09/30/1991
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986
Operable Unit: 02
Contaminated Media: Debris
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986
Operable Unit: 02
Contaminated Media: Groundwater
Engineering Control: Monitoring
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986

Operable Unit: 02

Contaminated Media : Liquid Waste
Engineering Control: Extraction
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986

Operable Unit: 02

Contaminated Media : Liquid Waste
Engineering Control: Incineration
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986 Operable Unit: 02 Contaminated Media : Sediment Engineering Control: Monitoring

Direction Distance

Elevation Site Database(s) EPA ID Number

**ELLISVILLE SITE (Continued)** 

1000444560

**EDR ID Number** 

Contact Name: Not reported Contact Phone and Ext: Not reported Event Code Description: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986
Operable Unit: 02
Contaminated Media: Soil
Engineering Control: Excavation
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986 Operable Unit: 02 Contaminated Media: Soil

Engineering Control: Storage - Temporary

Contact Name: Not reported Contact Phone and Ext: Not reported Event Code Description: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986
Operable Unit: 02
Contaminated Media: Solid Waste
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986

Operable Unit: 02
Contaminated Media: Solid Waste
Engineering Control: Excavation
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986 Operable Unit: 02

Contaminated Media : Surface Water Engineering Control: Monitoring Contact Name: Not reported Contact Phone and Ext: Not reported Event Code Description: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986

Distance

Elevation Site Database(s) EPA ID Number

## **ELLISVILLE SITE (Continued)**

Operable Unit: 02

Contaminated Media : Surface Water Engineering Control: Surface Water Control

Contact Name: Not reported Contact Phone and Ext: Not reported Event Code Description: Not reported

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 07/10/1985

Operable Unit: 01
Contaminated Media: Soil
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 07/10/1985 Operable Unit: 01 Contaminated Media: Soil

Engineering Control: Engineering Control, (N.O.S.)

Contact Name: Not reported Contact Phone and Ext: Not reported Event Code Description: Not reported

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 07/10/1985
Operable Unit: 01
Contaminated Media: Soil
Engineering Control: Excavation
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 07/10/1985 Operable Unit: 01

Contaminated Media: Soil

Engineering Control: Slope Stabilization
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 07/10/1985
Operable Unit: 01
Contaminated Media: Solid Waste
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

**EDR ID Number** 

1000444560

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## **ELLISVILLE SITE (Continued)**

1000444560

Action ID: 002

RECORD OF DECISION Action Name:

Action Completion date: 07/10/1985

Operable Unit: 01

Contaminated Media: Solid Waste Engineering Control: Excavation Contact Name: Not reported Contact Phone and Ext: Not reported Event Code Description: Not reported

Action ID: 001

**ROD** Amendment Action Name: Action Completion date: 09/30/1991

Operable Unit: 02 Contaminated Media: Soil Engineering Control: Excavation Contact Name: Not reported Contact Phone and Ext: Not reported Event Code Description: Not reported

Action ID: 001

Action Name: **ROD** Amendment Action Completion date: 09/30/1991 Operable Unit: 02 Contaminated Media: Soil Engineering Control: Incineration Contact Name: Not reported Contact Phone and Ext: Not reported

Event Code Description: Not reported

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

PRP:

PRP Name: AMERICAN CAN COMPANY

> BLISS, EVELETH J. BLISS, RUSSELL M. CALLAHAN, GROVER T. CALLAHAN, JEAN ELLEN HOULIHAN NURSEY CO., INC JERRY-RUSSELL BLISS, INC.

KISCO CO., INC. PRIMERICA, INC.

REXAM BEVERAGE CAN COMPANY, INC

ROSALIE INVESTMENT CO.

ICIS:

Enforcement Action ID: 07-1985-0128 FRS ID: 110009351968

Action Name: **BLISS-ELLISVILLE & IPC** Facility Name: **ELLISVILLE SITE** NEAR ELLISVILLE Facility Address:

ELLISVILLE, MO 63011

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz

Facility County: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

**ELLISVILLE SITE (Continued)** 

1000444560

**EDR ID Number** 

Program System Acronym: ICIS

Enforcement Action Forum Desc: Administrative - Formal

EA Type Code: 106 Facility SIC Code: 4953 Federal Facility ID: Not reported Latitude in Decimal Degrees: 38.60333 Longitude in Decimal Degrees: -90.61833 Permit Type Desc: Not reported Program System Acronym: 44690 Facility NAICS Code: Not reported Tribal Land Code: Not reported

Enforcement Action ID: 07-1984-0014 FRS ID: 110009351968

Action Name: THE CHARTER COMPANY, ET AL.; I, (CHARTER V. THOMAS)

Facility Name: ELLISVILLE SITE
Facility Address: NEAR ELLISVILLE
ELLISVILLE, MO 63011

Enforcement Action Type: Bankruptcy
Facility County: Not reported
Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: BNK

Facility SIC Code: 4953 Federal Facility ID: Not reported Latitude in Decimal Degrees: 38.60333 Longitude in Decimal Degrees: -90.61833 Permit Type Desc: Not reported 44690 Program System Acronym: Facility NAICS Code: Not reported Tribal Land Code: Not reported

Enforcement Action ID: 07-1983-0005 FRS ID: 110009351968

Action Name: BLISS, RUSSELL MARTIN, ET AL./HORSE ARENA

Facility Name: ELLISVILLE SITE
Facility Address: NEAR ELLISVILLE
ELLISVILLE, MO 63011

Enforcement Action Type: Civil Judicial Action
Facility County: Not reported

Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 4953
Federal Facility ID: Not reported

Latitude in Decimal Degrees: 38.60333

Longitude in Decimal Degrees: -90.61833

Permit Type Desc: Not reported

Program System Acronym: 44690

Facility NAICS Code: Not reported

Tribal Land Code: Not reported

Enforcement Action ID: 07-1982-0015 FRS ID: 110009351968

Action Name: BLISS-ELLISVILLE (CALLAHAN CLEANUP COMPLETE)

Facility Name: ELLISVILLE SITE
Facility Address: NEAR ELLISVILLE

Distance

Elevation Site Database(s) EPA ID Number

## **ELLISVILLE SITE (Continued)**

Tribal Land Code:

1000444560

**EDR ID Number** 

ELLISVILLE, MO 63011 Enforcement Action Type: Civil Judicial Action Facility County: Not reported Program System Acronym: ICIS Enforcement Action Forum Desc: Judicial EA Type Code: CIV Facility SIC Code: 4953 Federal Facility ID: Not reported Latitude in Decimal Degrees: 38.60333 Longitude in Decimal Degrees: -90.61833 Permit Type Desc: Not reported Program System Acronym: 44690 Facility NAICS Code: Not reported

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Not reported

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Direction Distance

Elevation Site Database(s) EPA ID Number

**ELLISVILLE SITE (Continued)** 

1000444560

**EDR ID Number** 

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

**ELLISVILLE SITE (Continued)** 

1000444560

Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not reported SIC Code: 4953

\_\_\_\_

1 EATON ARENA SEMS-ARCHIVE 1003876654
NNW 201 STRECKER RD MOD980854160

< 1/8 BALLWIN, MO 63011

0.009 mi. 48 ft.

Relative: SEMS Archive:

**Higher** Site ID: 701393

Actual: EPA ID: MOD980854160

**721 ft.** Cong District: 2 FIPS Code: 29189

FF: 29189 FF: N

NPL: Not on the NPL

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 7
Site ID: 701393

EPA ID: MOD980854160
Site Name: EATON ARENA

 NPL:
 N

 FF:
 N

 OU:
 0

 Action Code:
 VS

Action Name: ARCH SITE

SEQ:

Start Date:

Finish Date:

Qual:

Current Action Lead:

Not reported

Not reported

EPA Perf In-Hse

Region: 7

 Site ID:
 701393

 EPA ID:
 MOD980854160

 Site Name:
 EATON ARENA

 NPL:
 N

 FF:
 N

 OU:
 0

 Action Code:
 SI

 Action Name:
 SI

 SEO:
 1

Start Date: 1983-04-01 00:00:00 Finish Date: 1983-12-01 00:00:00

Qual: N
Current Action Lead: EPA Perf

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**EATON ARENA (Continued)** 1003876654

Region: 7 Site ID: 701393 EPA ID: MOD980854160 Site Name: EATON ARENA

NPL: Ν FF: Ν OU: 0 Action Code: PΑ Action Name: PΑ SEQ:

Start Date: 1983-02-01 00:00:00 Finish Date: 1983-02-01 00:00:00

Qual:

**Current Action Lead: EPA Perf** 

7 Region: 701393 Site ID:

EPA ID: MOD980854160 Site Name: EATON ARENA

NPL: Ν FF: Ν OU: 0 Action Code: DS Action Name: **DISCVRY** 

SEQ:

1983-01-01 00:00:00 Start Date: Finish Date: 1983-01-01 00:00:00 Qual: Not reported **Current Action Lead: EPA Perf** 

MID AMERICA ARENA SUBSITE (ELLISVILLE) **A2** SEMS 1000101798

**ENE** 146 STRECKER RD < 1/8 BALLWIN, MO 63011

0.088 mi.

Site 1 of 2 in cluster A 463 ft.

Relative: SEMS: Higher Site ID: 701449 EPA ID: MOD980861934 Actual: 715 ft.

Cong District: FIPS Code: 29189 Not reported Latitude: Not reported Longitude:

FF:

NPL: Site is Part of NPL Site

Non NPL Status: Not reported

SEMS Detail:

Region: 7 Site ID: 701449 EPA ID: MOD980861934

Site Name: MID AMERICA ARENA SUBSITE (ELLISVILLE)

NPL: Α FF: Ν OU: 0 Action Code: SI Action Name: SI

MOD980861934

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

# MID AMERICA ARENA SUBSITE (ELLISVILLE) (Continued)

1000101798

SEQ:

Start Date: 1987-07-20 00:00:00

Finish Date: 7/20/1987 Qual: Current Action Lead:

**EPA Perf** 

Region: 7 Site ID: 701449 EPA ID: MOD980861934

Site Name: MID AMERICA ARENA SUBSITE (ELLISVILLE)

NPL: FF: Ν OU: 0 Action Code: DS **DISCVRY** Action Name:

SEO:

Start Date: 1982-03-01 00:00:00

Finish Date: 3/1/1982 Qual: Not reported Current Action Lead: **EPA Perf** 

Region: 7 Site ID: 701449

EPA ID: MOD980861934

MID AMERICA ARENA SUBSITE (ELLISVILLE) Site Name:

NPL: FF: Ν OU: 0 Action Code: PΑ Action Name: PΑ SEQ:

Start Date: 1987-07-20 00:00:00

Finish Date: 7/20/1987 Qual: **EPA Perf Current Action Lead:** 

RCRA NonGen / NLR 1000125705 А3 A ONE OIL INC

ENE **FINDS** MOD980852040 147 STRECKER RD < 1/8 BALLWIN, MO 63011 **ECHO** 

0.093 mi.

493 ft. Site 2 of 2 in cluster A Relative: RCRA NonGen / NLR:

Higher Date form received by agency: 06/15/2011 Facility name: A ONE OIL INC Actual: Facility address: 147 STRECKER RD 713 ft.

BALLWIN, MO 63011-1905

EPA ID: MOD980852040 Contact: Not reported Contact address: 147 STRECKER RD BALLWIN, MO 63011-1905

US Contact country:

Not reported Contact telephone: Contact email: Not reported

EPA Region: 07

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Direction Distance Elevation

Site Database(s) EPA ID Number

A ONE OIL INC (Continued) 1000125705

Owner/Operator Summary: Owner/operator name:

Owner/operator address:

Not reported
Not reported
Owner/operator country:
Owner/operator telephone:
Owner/operator email:
Owner/operator fax:
Owner/operator extension:
Legal status:
Owner/Operator Type:
Not reported
Not reported
Private
Owner/Operator Type:
Operator

UNKNOWN

Owner/Operator Type: Operator
Owner/Op start date: 06/15/2011
Owner/Op end date: Not reported

Owner/operator name: A-1 OIL CORP
Owner/operator address: Not reported
Not reported

Owner/operator country: Not reported Owner/operator telephone: Not reported Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private

Owner/operator extension: Not reported Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported Owner/Op end date: Not reported

Owner/operator name: **UNKNOWN** Owner/operator address: Not reported Not reported Owner/operator country: Not reported Owner/operator telephone: Not reported Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private

Owner/Operator Type: Owner Owner/Op start date: 06/15/2011 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No No Recycler of hazardous waste: Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No **EDR ID Number** 

Direction Distance

**EDR ID Number** Elevation **EPA ID Number** Site Database(s)

#### A ONE OIL INC (Continued)

1000125705

Historical Generators:

Date form received by agency: 07/29/1983 Site name: A 1 OIL CORP

Classification: Not a generator, verified

Waste code: D001

IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF Waste name:

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003953213

Environmental Interest/Information System

The MO-DNR (Missouri Department of Natural Resources) program involves a Resource Assessment and Monitoring Program, biological criteria development, monitoring of targeted sites to determine compliance with the designated use of aquatic life protection in the standards, monitoring for 303(3) purposes, and the development of a stream classification framework.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste, RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

1000125705 Envid: Registry ID: 110003953213

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003953213

**B4 ELLISVILLE SITE REMOVAL # 007 C/O U S EPA REGION 7** 

RCRA NonGen / NLR 1000372540

MOD052623717

BALLWIN, MO 63011 1/8-1/4

149 STRECKER RD

0.188 mi.

NNE

993 ft. Site 1 of 2 in cluster B Relative: RCRA NonGen / NLR:

Lower Date form received by agency: 12/02/2016

Facility name: ELLISVILLE SITE REMOVAL # 007 C/O U S EPA REGION 7 Actual:

Facility address: 149 STRECKER RD 642 ft.

BALLWIN, MO 63011-1905

EPA ID: MOD052623717 Mailing address: 11201 RENNER BLVD

Direction Distance

Elevation Site Database(s) EPA ID Number

#### ELLISVILLE SITE REMOVAL # 007 C/O U S EPA REGION 7 (Continued)

1000372540

**EDR ID Number** 

LENEXA, KS 66219-9601

Contact: HEATH SMITH

Contact address: 11201 RENNER BLVD

LENEXA, KS 66219-9601

Contact country: US

Contact telephone: 816-718-4277

Contact email: SMITH.HEATH@EPA.GOV

EPA Region: 07

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JERRY R BLISS
Owner/operator address: 149 STRECKER RD

EILLISVILLE, MO 63011

Owner/operator country: US

Owner/operator telephone: 314-580-7154 Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 08/13/1980 Owner/Op end date: Not reported

Owner/operator name: JERRY R BLISS
Owner/operator address: 149 STRECKER RD

EILLISVILLE, MO 63011

Owner/operator country: US

314-580-7154 Owner/operator telephone: Owner/operator email: Not reported Owner/operator fax: Not reported Owner/operator extension: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 08/13/1980 Owner/Op end date: Not reported

## Handler Activities Summary:

U.S. importer of hazardous waste: Nο Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No No Used oil processor: User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Direction Distance

Elevation Site Database(s) EPA ID Number

#### ELLISVILLE SITE REMOVAL # 007 C/O U S EPA REGION 7 (Continued)

1000372540

**EDR ID Number** 

Historical Generators:

Date form received by agency: 02/07/2014

Site name: ELLISVILLE SITE REMOVAL #007 C/O U S EPA REGION 7

Classification: Large Quantity Generator

Waste code: F027

. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR

PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYTHESIZED FROM

PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT).

Date form received by agency: 06/15/2011

Site name: BLISS ELLISVILLE SITE % U.S. EPA REG VII

Classification: Not a generator, verified

Waste code: D029

. Waste name: 1,1-DICHLOROETHYLENE

Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: D040

. Waste name: TRICHLOROETHYLENE

Waste code: F027

Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR

PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYTHESIZED FROM

PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT).

Date form received by agency: 04/28/2004

Site name: BLISS ELLISVILLE SITE Classification: Not a generator, verified

Date form received by agency: 01/12/1996

Site name: BLISS-ELLISVILLE SITE Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

Waste code: D029

Waste name: 1,1-DICHLOROETHYLENE

Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: D040

. Waste name: TRICHLOROETHYLENE

Waste code: F027

Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR

PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYTHESIZED FROM

Direction Distance

Elevation Site Database(s) EPA ID Number

### ELLISVILLE SITE REMOVAL # 007 C/O U S EPA REGION 7 (Continued)

1000372540

**EDR ID Number** 

PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT).

Date form received by agency: 07/12/1985

Site name: BLISS-ELLISVILLE SITE Classification: Not a generator, verified

Violation Status: No violations found

B5 ELLISVILLE-BLISS SHWS S105364356 NNE 149 STRECKER ROAD SMARS N/A

1/8-1/4 0.188 mi.

993 ft. Site 2 of 2 in cluster B

Relative: Missouri Hazardous Waste:

**ELLISVILLE, MO 63011** 

Lower Category Name: Registry Sites

Actual: Category Desc: Sites in this category are currently listed on the Registry.

642 ft. Site Class:

Owner Name: Jerry Russell Bliss and Russell Bliss

Owner Address: 149 Strecker Rd
Owner City,St,Zip: Ellisville, MO 63011
Action Date: 01/05/1984

Contamination: 1,1,1-Trichloroethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane,

1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2,3,4,6,7,8,9-OCDD, 1,2,3,4,6,7,8,9-OCDF, 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,-HxCDD, 1,2

Classification: Class 3
Date of Placement: January 3, 1984

Present Property Owner: Jerry Russell Bliss and Russell Bliss

Lead Agency: EPA
Facility Zip: Not reported

Address Detail: St. Louis County, Missouri, Portions of SW 1/4, NW 1/4, Sec. 32, T.

45N, R. 4E, Manchester Quadrangle

Waste Type: 2,3,7,8-TCDD (dioxin), waste pigments, solvents, oils, and pesticides
Quantity: EPA estimates at least 1,500 drums; 7,000 cubic yards of dioxin
contaminated soils; and 10,000 cubic yards of non-dioxin hazardous

contaminated soils; and 10,000 cubic yards of non-dioxin hazardowaste materials and soils were once present at the site.

Site Description: This property consists of about 16.5 acres in western St. Louis

County located on the north side of Strecker Road. The Bliss property and parts of several contiguous properties were addressed as the

entire "Bliss - Ellisville Site." The Bliss property is currently

used as a personal residence, a rental residence, and a commercial horse boarding and arena operation. The site is located in an upland wooded area and is surrounded by numerous new housing developments with residences within 2,000 feet of formerly contaminated areas. A preschool and a home for the aged are located within 0.5 miles. Quail Woods Park is also located nearby. During the 1960s and 1970s, Bliss Waste Oil Company operated this site. The business engaged in transportation, disposal and recycling of waste oil products, industrial wastes and chemicals. Investigations identified soil

contamination resulting from the disposal of dioxincontaminated waste from the waste oil hauling business. Other hazardous wastes, such as solvents, pesticides and oils, were disposed in bulk quantities at the site. The site was added to the U.S. Environmental Protection

Agency?s (EPA) NPL in 1983. In December 1998, Jerry Bliss purchased a 4.29 acre property owned by Martha Simmons that was also part of the

Ellisville-Bliss Site and contiguous to Bliss? property.

Env Problems/Areas of Concern: Groundwater is contaminated with volatile organic compounds (VOCs)

Map ID
Direction
Distance

Elevation

Site

MAP FINDINGS

Database(s) EPA

EDR ID Number EPA ID Number

### **ELLISVILLE-BLISS (Continued)**

S105364356

Remedial Action:

from previous site operations. Continued monitoring is needed to make sure it?s not migrating off the Ellisville site. Sampling of the shallow groundwater as well as surface water has been completed and no VOCs were detected.

In June 1981, the Missouri Department of Natural Resources (the department) excavated exploratory trenches on the property to confirm the reported presence of hazardous material in drums and disposal pits. The department conducted a geophysical survey of the property in June 1982. A field RI, performed between December 1982 and February 1983, delineated the approximate boundaries of actual or suspected waste disposal locations. In February 1986, a FS was completed, evaluating various cleanup alternatives. A public comment period followed. In April 1986, the department erected 400 feet of fence to prevent access to the site from the newly-developed Quail Woods Park. A ROD for the management of the non-dioxin contaminated soils was signed in September 1986. The ROD proposed excavation and offsite disposal as the preferred remedy for the buried drums and buried waste. In December 1990, the Eastern District of the Federal District Court approved a Consent Decree signed by the EPA, Syntex Agribusiness Inc., the U.S. Justice Department, and the department for a mixedwork settlement that removed the dioxincontaminated material. Under the Consent Decree, contaminated material exceeding health-based levels was excavated and transported to Times Beach for thermal treatment. The site was then restored. Also during 1990, the EPA investigated this property and the contiguous properties and determined that 180,000 square feet were contaminated with dioxin. At the completion of the sampling, the site was surveyed and a six foot high, chain-link fence with three barbed wire strands on top was constructed around the perimeter to control access. In July 1991, the EPA completed a FS evaluating several remedial alternatives for the final management of the dioxincontaminated soils. The EPA's preferred remedy included excavation and transportation to Times Beach for thermal destruction. In July 1992, the EPA developed a plan to monitor groundwater at this site. In November 1993, the EPA collected surface soil samples downgradient of the site within the Turnberry Place Subdivision. This sampling was performed to determine if recent flooding had caused any migration of dioxincontaminated materials off site. No dioxin was detected in any of these samples. The site cleanup by the EPA took place between February 7 and August 26, 1996. The dioxin-contaminated materials were removed to a 1 part per billion (ppb) equivalent level. About 24,707 tons of dioxincontaminated waste was excavated and delivered to the Times Beach Thermal Treatment Facility. About 576 tons of dioxincontaminated soil, mixed with paint wastes (and 210 drums containing same), were excavated and delivered to the APTUS incinerator in Coffeyville, Kansas. Eighty-one drums of waste not contaminated with dioxin were sent to Environmental Services of America in Scott City. Forty-nine drums containing listed hazardous wastes D001, D005, D007, D008, D019, D035, and D040, as well as 169 tons of paint wastecontaminated soil, were delivered to Rollins Environmental Services in Deer Park, Texas. Also, 581 tons of paint waste-contaminated soil was delivered to Liquid Waste Disposal in Calvert City, Kentucky. Groundwater monitoring wells were installed by the EPA in the fall of 1997. Two wells were placed downgradient and one upgradient. These wells were installed to determine if any of the contaminants migrated into the local groundwater. The wells were sampled on a regular basis starting in 1998 up until 2006. A spring,

Map ID
Direction
Distance

MAP FINDINGS

EDR ID Number Database(s) EPA ID Number

### **ELLISVILLE-BLISS (Continued)**

Elevation

Site

S105364356

located about 2.5 miles from the site, was also sampled to determine if any possible contamination migrated from the site. In June 2006, EPA presented a summary report of all the groundwater data that had been collected at the site since 1998. Sampling indicates there is significant VOCs contamination of the groundwater and that the levels in the groundwater have been increasing over time. Groundwater samples at MW3 have contamination at levels of concern. Many of the contaminants are present at orders of magnitude above safe health limits. In September 2006 the state conducted a round of groundwater sampling at the site. The levels of contamination were consistent with the trends noted in the EPA data. In 2007, a developer bought the Primm property located west of the Bliss property. He had planned to build a new subdivision on the property. Local residents and activists opposed development on the property due to possible contaminants missed during EPA clean-up activities and migration of contamination from the Bliss property. The citizens? concerns led to a moratorium on construction on all properties associated with the Bliss site in the City of Wildwood. Due to the environmental issues surrounding the property, the developer entered the property into the Superfund Cooperative Program, hoping to relieve concerns over encounters with any potential residual or missed contamination that may be encountered during construction. Local residents and activists remained adamant in the opposition to future development. To satisfy the opposition, the City of Wildwood hired an outside consultant to investigate the Primm property. On May 8, 2008, representatives of the department, along with staff from the Department of Health and Senior Services and EPA attended the Wildwood City Council meeting. The meeting was held to allow the consultant, hired by the City of Wildwood, to present their findings and recommendations related to the Primm property. The conclusions reached by Wildwood?s consultant, along with the concerns of local citizens and city council members, resulted in the council?s approving further investigation of the Primm property. The work on the Primm property will likely be completed before the department can move forward with the proposed work on the Bliss property. Sampling was conducted in September 2008, by the department. The purpose of the sampling was to investigate the overburden soils to look for source material that could be contributing to the groundwater contamination beneath the Bliss property and decide if further investigation or action is warranted. Samples were taken from soil, surface water, and shallow groundwater when encountered. All samples were analyzed for volatiles and semi volatiles organics, metals, and base neutral acids. Three samples were additionally analyzed for dioxins and furans. The investigation did not disclose any potential source areas that could account for the groundwater contamination. In the summer of 2009, the project manager informed the Wildwood City Council that a MW-3 was showing elevated levels of VOCs. Due to the manner of waste disposal and the amounts of contaminants released during the operation of the Bliss Waste Oil facility, it is believed that the contaminants have saturated the bedrock matrix beneath the site and that the contaminated matrix continues to act as a source for groundwater contamination. The Department of Health reviewed the sampling data and had concerns over harmful vapors that could intrude into nearby homes. In Nov of 2009 the department installed additional wells as part of a subsurface investigation on the site and conducted soil boring to test for vapor intrusion. Sampling events are being conducted quarterly for the next two years. The preliminary results

Map ID Direction Distance Elevation

Site

#### MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

#### **ELLISVILLE-BLISS (Continued)**

S105364356

of the investigation indicate there are no conditions present that cause a risk to human health. The investigation of groundwater contamination continues. No conclusions have been reached. Data collection will continue.

General Geologic/Hydrologic Setting:

The site is located in an upland, wooded area with steep hillslopes descending to a lowlying, intermittent tributary of Caulks Creek. The upland soils are composed of silty clay loess overlying cherty residuum derived from the weathering of bedrock. The loess is up to 10 feet thick and has moderate to low permeability. The residuum is moderately to highly permeable. Soil material along the valley, near the horse arena, is composed of gray, silty clay and clayey silt. Bedrock at the site consists of the Mississippian-age Burlington Limestone Formation. This formation contains solutionenlarged openings which provide avenues of rapid fluid transport to groundwater. Under normal flow conditions, the surface drainage upstream of the former dump site area is gaining; that is, water flowing on the surface tends to remain on the surface. This is due to the presence of the relatively lowpermeability loess soil which underlies that portion of the property. However, in the vicinity of the former dump site where the loess is absent, surface water is lost to the subsurface via the relatively high-permeability cherty residuum and weathered bedrock present beneath that portion of the site. Water tracing studies conducted in 1992, and 1997, indicate that water flowing into the subsurface in the vicinity of the former dump site is discharged at Lewis Spring, which is located along Caulks Creek downstream of the site. During high surface flow conditions, such as that immediately following heavy precipitation events, some flow remains in the surface stream throughout its extent on site and further downstream. Due to the presence of losing stream conditions immediately downgradient of the former dump site, groundwater quality may be adversely impacted. Private wells open to the shallow aguifer could possibly be affected. However, subsurface flow from the losing stream segment probably is channelized sufficiently to prevent widespread contamination of groundwater. The nearest public well is 2 miles southwest of the site. No public wells are currently affected by this site. However, the local groundwater is potable and new wells are commonly being constructed in this area to support local development.

The dioxin-contaminated soil, the buried drums, and associated soil contamination have all been removed from the site. The site remains fenced and has warning signs posted. However, groundwater is contaminated with VOCs; therefore, the route of potential exposure that remains is through groundwater. To determine if contaminants have migrated from the site, EPA and the department continue to investigate and monitor the groundwater. The Missouri Department of Health and Senior Services (DHSS) has sampled private wells down gradient from the site since 1984. To date, DHSS has not found any private wells contaminated with siterelated volatile organic compounds. Although no direct exposure to the contaminated groundwater has been identified, there is a potential for vapor intrusion to occur. In 2009, DHSS screened on-site groundwater data for potential vapor intrusion risk. Some of the VOCs detected on site were above the screening criteria; therefore, DHSS recommended further site characterization to evaluate the vapor intrusion pathway. DHSS specifically recommended sampling near the property boundary to evaluate potential offsite risk for vapor intrusion. The department has conducted several rounds of soil gas sampling near the

Public Drinking Water Advisory:

Health Assessment:

Map ID MAP FINDINGS
Direction

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

## **ELLISVILLE-BLISS (Continued)**

S105364356

property boundary in the past few years. Preliminary evaluation of this data does not show any VOCs in soil gas above screening levels; however, additional investigation may be warranted to fully evaluate the vapor intrusion pathway. To address concerns regarding the proposed development of the Primm property, located west of the Bliss property, the City of Wildwood commissioned a Phase II Environmental Site Assessment (ESA) for the Strecker Forest Development Site. The City subsequently commissioned a Human Health Risk Assessment (HHRA), largely based on the ESA report. The EPA then conducted an Expanded Site Review (ESR) for the Strecker Forest Development site. The purpose of the ESR was to build upon previous studies to establish a data set that would support a more comprehensive assessment of human health risks for short term trespassers and for proposed residential land use at Strecker Forest and to characterize the potential for impacts to existing properties/residents in nearby areas. The ESR report dated June 13, 2011, recommended that conditions throughout the portion of the Strecker Forest parcel proposed for housing construction are generally considered protective for residential development and use. Further assessment of this portion of the parcel would be limited to additional characterization of the isolated dioxin TEQ level identified in DU 19 to provide information regarding a possible source and help determine the need for mitigation prior to development. The reports also called for further assessment of potential risks at the Strecker Forest property, focusing on conditions in the northeast portion of the parcel, and evaluate potential risks from complete exposure pathways based on current and potential future land use. Following these recommendations, the EPA in their Memorandum on Preliminary Remediation Goals (PRGs) for dioxin in Surface Soil for the Proposed Strecker Forest Development dated July 29, 2013 derived a site-specific PRG of 820 parts per trillion (ppt) as protective of a youth trespasser, based on cancer and non-cancer health effects. DHSS understands this PRG to be site-specific and with the presumption that land use controls will be established restricting future development and/or residential use for this portion of the site, and that the PRG is specific to a recreational or trespasser setting. Other scenarios or settings would need to be considered on their own merit. EPA has completed soil removal to meet the PRG for that portion of the property.

SMARS:

SM Number: 10176

MOD980633010 CERCLIS: Ownership: Superfund Superfund Ownership: True Voluntary Cleanup Ownership: False Federal Facilities Ownership: False Permits Ownership: False NPL Date: 09/08/1983 Tank Site Identification #: Not reported Tank Remediation #: Not reported Registry: True Site Code: 3548 Other Site Code: 0708

SM Number: 10117

CERCLIS: MOD980633010
Ownership: Superfund
Superfund Ownership: True

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ELLISVILLE-BLISS (Continued)** 

S105364356

Voluntary Cleanup Ownership: False Federal Facilities Ownership: False Permits Ownership: False NPL Date: Not reported Tank Site Identification #: Not reported Tank Remediation #: Not reported Registry: False Site Code: 3549

0708

**H BAR 7 RANCH** SEMS-ARCHIVE 1003876597 6 MOD980687867

SSE **48 STRECKER RD** 1/4-1/2 **ELLISVILLE, MO 63011** 

0.291 mi. 1536 ft.

Relative: SEMS Archive: Higher Site ID:

701312 EPA ID: MOD980687867 Actual:

Cong District: 2 729 ft.

Other Site Code:

FIPS Code: 29189 FF:

NPL: Not on the NPL

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 7 Site ID: 701312

MOD980687867 EPA ID: Site Name: H BAR 7 RANCH

NPL: Ν FF: Ν OU: 0 Action Code: VS

Action Name: ARCH SITE

SEQ:

Start Date: Not reported Finish Date: 1983-01-01 00:00:00 Qual: Not reported Current Action Lead: EPA Perf In-Hse

Region: 7

Site ID: 701312

EPA ID: MOD980687867 Site Name: H BAR 7 RANCH

NPL: Ν FF: Ν OU: 0 Action Code: PΑ Action Name: PΑ SEQ:

Start Date: 1983-01-01 00:00:00 1983-01-01 00:00:00 Finish Date:

Qual: Ν

**Current Action Lead: EPA Perf** 

Region: Site ID: 701312 Map ID MAP FINDINGS Direction

Distance Elevation Site

Site Database(s)

H BAR 7 RANCH (Continued)

1003876597

**EDR ID Number** 

**EPA ID Number** 

EPA ID: MOD980687867
Site Name: H BAR 7 RANCH

 NPL:
 N

 FF:
 N

 OU:
 0

 Action Code:
 DS

 Action Name:
 DISCVRY

SEQ:

 Start Date:
 1982-11-01 00:00:00

 Finish Date:
 1982-11-01 00:00:00

 Qual:
 Not reported

 Current Action Lead:
 EPA Perf

Count: 7 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BALLWIN	1003876381	BALLWIN BAPTIST CHURCH	535 MANCHESTER RD	63011	SEMS-ARCHIVE
BALLWIN	1003876762		16629 MANCHESTER RD	63011	SEMS-ARCHIVE
BALLWIN	1003876410	SOS RENTAL	885 MANCHESTER RD	63011	SEMS-ARCHIVE
BALLWIN	1003876754	BALLWIN ATHLETIC ASSOC FIELD	PARKING LOT AT FIELD	63011	SEMS-ARCHIVE
ELLISVILLE	1003876782	KULLAS RIDING ACADEMY	CLAYTON TRAILS	63011	SEMS-ARCHIVE
ELLISVILLE	1003876717	BRIDLE TRAILS WEST	S OF MANCHESTER RD W OF POND R	63011	SEMS-ARCHIVE
ELLISVILLE	1003876522	HOULIHAN RESIDENCE	OFF STRECKER RD W OF CAULKS CR	63011	SEMS-ARCHIVE

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 08/13/2018 Source: EPA Date Data Arrived at EDR: 10/04/2018 Telephone: N/A

Last EDR Contact: 10/04/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 36 Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Quarterly

**NPL Site Boundaries** 

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

**EPA Region 1** EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

**EPA Region 3** EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 **EPA Region 8** 

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

**EPA Region 10** 

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 08/13/2018 Source: EPA Date Data Arrived at EDR: 10/04/2018 Telephone: N/A Date Made Active in Reports: 11/09/2018

Last EDR Contact: 10/04/2018

Number of Days to Update: 36 Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

### Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 36

Source: EPA Telephone: N/A

Last EDR Contact: 10/04/2018

Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Quarterly

### Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016 Date Data Arrived at EDR: 01/05/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 92

Source: Environmental Protection Agency Telephone: 703-603-8704

Last EDR Contact: 07/06/2018

Next Scheduled EDR Contact: 10/15/2018 Data Release Frequency: Varies

### SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Undate: 43

Number of Days to Update: 43

Source: EPA Telephone: 800-424-9346

Last EDR Contact: 10/04/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Quarterly

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/16/2018

Number of Days to Update: 43

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 10/04/2018

Next Scheduled EDR Contact: 01/28/2019 Data Release Frequency: Quarterly

### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 09/19/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/19/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

## Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency Telephone: 913-551-7003

Last EDR Contact: 09/19/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

### RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/19/2018

Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/19/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

### Federal institutional controls / engineering controls registries

#### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/14/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 02/25/2019 Data Release Frequency: Varies

#### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/31/2018 Date Data Arrived at EDR: 08/28/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 17

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/28/2018

Next Scheduled EDR Contact: 12/10/2018 Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/31/2018 Date Data Arrived at EDR: 08/28/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 17

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 08/28/2018

Next Scheduled EDR Contact: 12/10/2018

Data Release Frequency: Varies

#### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 09/24/2018 Date Data Arrived at EDR: 09/25/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 45

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 09/25/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

### State- and tribal - equivalent CERCLIS

SHWS: Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/02/2018 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 10/15/2018

Number of Days to Update: 34

Source: Department of Natural Resources

Telephone: 573-751-1990 Last EDR Contact: 09/11/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Annually

### HWS DETAIL: Registry Annual Report

Each site is described in detail in this annual report and includeds the following information: a general description of the site; a summary of any significant environmental problems at and near the site; a summary of any serious health problems in the immediate vicinity of the site; the status of any testing, monitoring or remedial actions in progress or recommended by the department.

Date of Government Version: 06/30/2017 Date Data Arrived at EDR: 03/01/2018 Date Made Active in Reports: 03/09/2018

Number of Days to Update: 8

Source: Department of Natural Resources

Telephone: 573-751-3176 Last EDR Contact: 08/31/2018

Next Scheduled EDR Contact: 12/10/2018 Data Release Frequency: Annually

#### State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/15/2018 Date Data Arrived at EDR: 07/03/2018 Date Made Active in Reports: 08/06/2018

Number of Days to Update: 34

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 11/16/2018

Next Scheduled EDR Contact: 02/25/2019 Data Release Frequency: Varies

## State and tribal leaking storage tank lists

LAST: Leaking Aboveground Storage Tanks
A listing of leaking aboveground storage tanks.

Date of Government Version: 08/21/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/15/2018

Number of Days to Update: 33

Source: Department of Natural Resources

Telephone: 573-751-6822 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Quarterly

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/21/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/15/2018

Number of Days to Update: 33

Source: Department of Natural Resources

Telephone: 573-751-0135 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

### State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017 Date Data Arrived at EDR: 05/30/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 136

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 10/10/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Varies

UST: Petroleum Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/21/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/15/2018

Number of Days to Update: 33

Source: Department of Natural Resources

Telephone: 573-751-0135 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tanks Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2018 Date Data Arrived at EDR: 08/02/2018 Date Made Active in Reports: 09/27/2018

Number of Days to Update: 56

Source: Department of Agriculture Telephone: 573-751-7062 Last EDR Contact: 08/02/2018

Next Scheduled EDR Contact: 12/17/2018 Data Release Frequency: Semi-Annually

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

#### State and tribal institutional control / engineering control registries

AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 07/30/2018 Date Data Arrived at EDR: 08/10/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 35

Source: Department of Natural Resources

Telephone: 573-751-3176 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 02/25/2019 Data Release Frequency: Quarterly

#### State and tribal voluntary cleanup sites

VCP: Sites Participating in the Voluntary Cleanup Program Sites participating in the Voluntary Cleanup Program.

Date of Government Version: 07/30/2018 Date Data Arrived at EDR: 08/10/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 35

Source: Department of Natural Resources

Telephone: 573-526-8913 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 02/25/2019 Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 09/24/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Varies

## State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

Brownfields are sites where redevelopment and reuse is hampered by known or suspected contamination with hazardous substances. While many brownfield sites are minimally contaminated, potential environmental liability can be a problem for owners, operators, prospective buyers and financial institutions. Because of the large number of these sites, their economic impact especially in heavily industrial areas is substantial.

Date of Government Version: 07/30/2018 Date Data Arrived at EDR: 08/10/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 35

Source: Department of Natural Resources

Telephone: 573-526-8913 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 02/25/2019 Data Release Frequency: Quarterly

#### ADDITIONAL ENVIRONMENTAL RECORDS

### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/18/2018 Date Data Arrived at EDR: 09/18/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 52

Source: Environmental Protection Agency Telephone: 202-566-2777

Last EDR Contact: 09/18/2018

Next Scheduled EDR Contact: 12/31/2018 Data Release Frequency: Semi-Annually

### Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Solid Waste Facility Database List

This database contains detailed information per site. It is no longer maintained by the Department of Natural Resources. For current information on solid waste facilities/landfills see the SWF/LF database.

Date of Government Version: 04/12/2005 Date Data Arrived at EDR: 07/19/2006 Date Made Active in Reports: 08/18/2006

Number of Days to Update: 30

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 01/12/2009

Next Scheduled EDR Contact: 04/13/2009 Data Release Frequency: No Update Planned

SWRCY: Solid Waste Recycling Facilities
A listing of recycling center locations.

Date of Government Version: 10/30/2018 Date Data Arrived at EDR: 11/01/2018 Date Made Active in Reports: 11/20/2018

Number of Days to Update: 19

Source: Department of Natural Resources

Telephone: 573-526-3944 Last EDR Contact: 11/01/2018

Next Scheduled EDR Contact: 03/11/2019 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 10/25/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 11/02/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Varies

### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/21/2018 Date Data Arrived at EDR: 09/21/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 49

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/26/2018

Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: No Update Planned

CDL: Environmental Emergency Response System

Incidents reported to the Department of Natural Resources where drug lab materials were involved.

Date of Government Version: 09/06/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/15/2018

Number of Days to Update: 33

Source: Department of Natural Resources

Telephone: 573-751-3443 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Quarterly

DEL SHWS: Registry Sites Withdrawn or Deleted

A list of sites that were removed from the Registry or for which Registry action was suspended due to cleanup.

Date of Government Version: 07/02/2018 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 10/15/2018

Number of Days to Update: 34

Source: Department of Natural Resources

Telephone: 573-522-3710 Last EDR Contact: 09/11/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Annually

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/21/2018 Date Data Arrived at EDR: 09/21/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 49

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/26/2018

Next Scheduled EDR Contact: 03/11/2019 Data Release Frequency: Quarterly

#### Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 43

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 10/04/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Semi-Annually

### Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018 Date Data Arrived at EDR: 03/27/2018 Date Made Active in Reports: 06/08/2018

Number of Days to Update: 73

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 09/25/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

### SPILLS: Environmental Response Tracking Database

Releases of hazardous substances reported to the department's Environmental Emergency Response (EER) section.

Date of Government Version: 09/06/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/15/2018

Number of Days to Update: 33

Source: Department of Natural Resources

Telephone: 573-526-3349 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Quarterly

#### SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/27/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/22/2013

Number of Days to Update: 50

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

### Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 913-551-7003 Last EDR Contact: 09/19/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

#### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 11/19/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Varies

#### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 10/12/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Semi-Annually

### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/12/2018

Next Scheduled EDR Contact: 01/21/2019

Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 11/16/2018

Next Scheduled EDR Contact: 02/25/2019 Data Release Frequency: Varies

### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/31/2018 Date Data Arrived at EDR: 09/25/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 09/25/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 11/05/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 11/09/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Varies

### TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 01/05/2018

Number of Days to Update: 198

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 09/21/2018

Next Scheduled EDR Contact: 12/31/2018 Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 01/10/2018 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 2

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 11/16/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 10/24/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Annually

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 43

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 10/04/2018

Next Scheduled EDR Contact: 12/17/2018 Data Release Frequency: Annually

#### RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2018 Date Data Arrived at EDR: 08/22/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 44

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 10/23/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

#### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008

Data Release Frequency: No Update Planned

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 36

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 10/04/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017 Date Data Arrived at EDR: 06/09/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 126

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 10/11/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 10/09/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Source: EPA

Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Telephone: 202-566-1667

Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016 Date Data Arrived at EDR: 09/08/2016 Date Made Active in Reports: 10/21/2016

Number of Days to Update: 43

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 10/11/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 09/07/2018

Next Scheduled EDR Contact: 12/17/2018 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 09/04/2018

Next Scheduled EDR Contact: 12/17/2018 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017 Date Data Arrived at EDR: 11/30/2017 Date Made Active in Reports: 12/15/2017

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

**RADINFO: Radiation Information Database** 

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2018 Date Data Arrived at EDR: 10/03/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 10/03/2018

Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Quarterly

### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

### DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 10/30/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Varies

#### CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2018 Date Data Arrived at EDR: 07/17/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 80

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 10/01/2018

Next Scheduled EDR Contact: 12/31/2018 Data Release Frequency: Varies

### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015 Date Data Arrived at EDR: 02/22/2017 Date Made Active in Reports: 09/28/2017

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/21/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 10/09/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 3

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 11/01/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017 Date Data Arrived at EDR: 10/11/2017 Date Made Active in Reports: 11/03/2017

Number of Days to Update: 23

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/16/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 43

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 10/04/2018

Next Scheduled EDR Contact: 01/14/2019

Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Telephone: 202-564-2496

Last EDR Contact: 09/26/2017

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

> Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2018 Date Data Arrived at EDR: 08/29/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 08/29/2018

Next Scheduled EDR Contact: 12/10/2018 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: USGS Telephone: 703-648-7709 Last EDR Contact: 08/31/2018

Next Scheduled EDR Contact: 12/10/2018 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 08/31/2018

Next Scheduled EDR Contact: 12/10/2018 Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 3

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 09/10/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/07/2018 Date Data Arrived at EDR: 09/05/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 30

Source: EPA Telephone: (913) 551-7003 Last EDR Contact: 09/18/2018

Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 06/19/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 87

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/28/2019 Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 07/26/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 71

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 08/31/2018

Next Scheduled EDR Contact: 12/10/2018 Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018 Date Data Arrived at EDR: 09/05/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 9

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 09/05/2018

Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2018 Date Data Arrived at EDR: 08/22/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 44

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 11/19/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Quarterly

AIRS: Permit Facility Listing

A listing of Air Pollution Control Program permits.

Date of Government Version: 05/14/2018 Date Data Arrived at EDR: 05/14/2018 Date Made Active in Reports: 06/25/2018

Number of Days to Update: 42

Source: Department of Natural Resources

Telephone: 573-751-4817 Last EDR Contact: 09/10/2018

Next Scheduled EDR Contact: 12/24/2018

Data Release Frequency: Varies

ASBESTOS: Asbestos Notification Listing

The department requires notification of demolitions and abatement projects involving regulated structures at least 10 working days before crews begin a project.

Date of Government Version: 10/04/2018 Date Data Arrived at EDR: 10/05/2018 Date Made Active in Reports: 11/01/2018

Number of Days to Update: 27

Source: Department of Natural Resources

Telephone: 573-751-4817 Last EDR Contact: 10/05/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of power plants with coal ash ponds.

Date of Government Version: 01/03/2018 Date Data Arrived at EDR: 02/01/2018 Date Made Active in Reports: 03/22/2018

Number of Days to Update: 49

Source: Department of Natural Resources

Telephone: 573-526-1825 Last EDR Contact: 10/01/2018

Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Varies

DRYCLEANERS: Drycleaners in Missouri Listing

A listing of drycleaner facilities that are potentially eligible for reimbursement of department approved cleanup costs under the Drycleaning Environmental Response Trust Fund.

Date of Government Version: 11/30/2017 Date Data Arrived at EDR: 12/13/2017 Date Made Active in Reports: 01/18/2018

Number of Days to Update: 36

Source: Department of Natural Resources

Telephone: 573-526-8913 Last EDR Contact: 06/15/2018

Next Scheduled EDR Contact: 09/24/2018 Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 08/30/2018 Date Data Arrived at EDR: 09/04/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 10

Source: Department of Natural Resources

Telephone: 573-751-3553 Last EDR Contact: 08/29/2018

Next Scheduled EDR Contact: 12/17/2018 Data Release Frequency: Annually

Financial Assurance 2: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay

Date of Government Version: 07/12/2017 Date Data Arrived at EDR: 09/07/2017 Date Made Active in Reports: 10/19/2017

Number of Days to Update: 42

Source: Department of Natural Resources

Telephone: 573-751-5401 Last EDR Contact: 09/07/2018

Next Scheduled EDR Contact: 12/17/2018 Data Release Frequency: Quarterly

MINES: Industrial Mineral Mines Database

This data set contains names, locations and additional data for active Industrial Mineral Mines permitted with the Missouri Department of Natural Resources, Division of Environmental Quality, Land Reclamation Program. Industrial Mineral Mines permitted are rock quarries, clay pits, sand and gravel pits, or in-stream sand and gravel operations.

Date of Government Version: 03/15/2018 Date Data Arrived at EDR: 07/20/2018 Date Made Active in Reports: 09/05/2018

Number of Days to Update: 47

Source: Department of Natural Resources Telephone: 573-751-4041

Last EDR Contact: 10/19/2018

Next Scheduled EDR Contact: 01/28/2019

Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted facilities from the Water Pollution Branch.

Date of Government Version: 10/18/2018 Date Data Arrived at EDR: 10/19/2018 Date Made Active in Reports: 11/20/2018

Number of Days to Update: 32

Source: Department of Natural Resources

Telephone: 573-751-7023 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Quarterly

RRC: Certified Hazardous Waste Resource Recovery Facilities

Facilities that take hazardous waste material, either from on-site or off-site, and make it re-usable.

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/11/2018 Date Made Active in Reports: 10/15/2018

Number of Days to Update: 34

Source: Department of Natural Resources

Telephone: 573-751-3176 Last EDR Contact: 09/10/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Annually

SMARS: Site Management and Reporting System

SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program and

Missouri's other state response programs.

Date of Government Version: 10/09/2018 Date Data Arrived at EDR: 10/31/2018 Date Made Active in Reports: 11/20/2018

Number of Days to Update: 20

Source: Department of Natural Resources

Telephone: 573-751-3043 Last EDR Contact: 10/31/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Quarterly

UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 08/15/2018 Date Data Arrived at EDR: 08/24/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 21

Source: Department of Natural Resources

Telephone: 573-368-2183 Last EDR Contact: 11/21/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Semi-Annually

## **EDR HIGH RISK HISTORICAL RECORDS**

## **EDR Exclusive Records**

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Hadde: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Source: EDR, Inc. Date Data Arrived at EDR: N/A Telephone: N/A Last EDR Contact: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/03/2014 Number of Days to Update: 186

Source: Department of Natural Resources Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/15/2014 Number of Days to Update: 198

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Natural Resources in Missouri.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/03/2014 Number of Days to Update: 186

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2018 Date Data Arrived at EDR: 08/10/2018 Date Made Active in Reports: 09/10/2018

Number of Days to Update: 31

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 02/25/2019
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 07/01/2018 Date Data Arrived at EDR: 08/01/2018 Date Made Active in Reports: 08/31/2018

Number of Days to Update: 30

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 10/31/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 07/25/2017 Date Made Active in Reports: 09/25/2017

Number of Days to Update: 62

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/28/2019 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 04/09/2018

Number of Days to Update: 45

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 11/16/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 06/15/2018 Date Made Active in Reports: 07/09/2018

Number of Days to Update: 24

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 09/06/2018

Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

**Public Schools** 

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Child Care Facilities Source: Department of Health & Senior Services

Telephone: 573-751-2450

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

## STREET AND ADDRESS INFORMATION

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## **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

CALLAHAN PROPERTY 210 STRECKER ROAD BALLWIN, MO 63011

## **TARGET PROPERTY COORDINATES**

Latitude (North): 38.596574 - 38° 35' 47.67" Longitude (West): 90.60547 - 90° 36' 19.69"

Universal Tranverse Mercator: Zone 15 UTM X (Meters): 708537.8 UTM Y (Meters): 4274522.0

Elevation: 712 ft. above sea level

## **USGS TOPOGRAPHIC MAP**

Target Property Map: 6725263 MANCHESTER, MO

Version Date: 2015

Southwest Map: 6727156 EUREKA, MO

Version Date: 2015

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

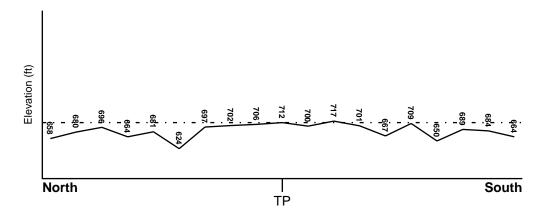
## **TOPOGRAPHIC INFORMATION**

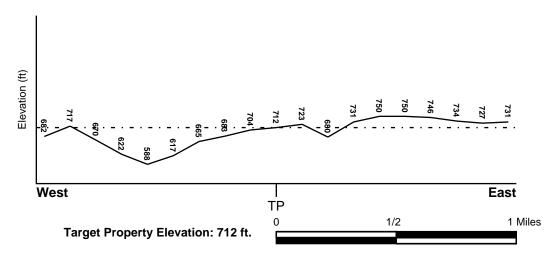
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### **FEMA FLOOD ZONE**

Flood Plain Panel at Target Property FEMA Source Type

29099C0025E FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

Not Reported

**NATIONAL WETLAND INVENTORY** 

NWI Quad at Target Property Data Coverage

MANCHESTER YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 GROUNDWATER FLOW

## **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### **ROCK STRATIGRAPHIC UNIT**

## **GEOLOGIC AGE IDENTIFICATION**

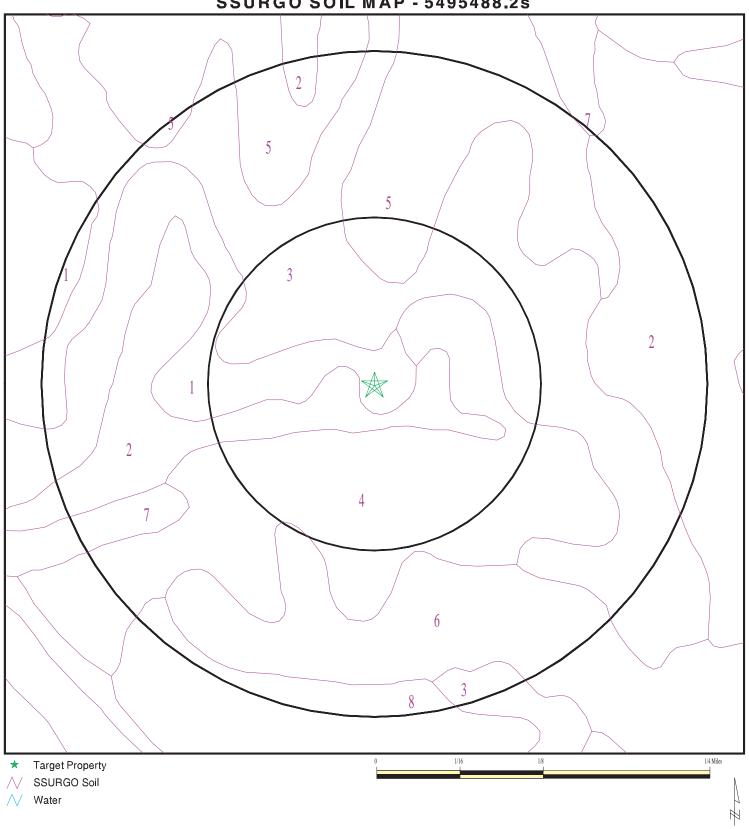
Era: Paleozoic Category: Stratified Sequence

System: Mississippian

Series: Osagean and Kinderhookian Series
Code: M1 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# **SSURGO SOIL MAP - 5495488.2s**



SITE NAME: Callahan Property ADDRESS: 210 Strecker Road Ballwin MO 63011

LAT/LONG: 38.596574 / 90.60547 CLIENT: Tetra Tech EMI CONTACT: Ann Marie Pohlman

INQUIRY#: 5495488.2s DATE: November 27, 2018 4:10 pm

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Goss

Soil Surface Texture: silty clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Bou	ındary		Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	9 inches	20 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 4.5
2	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 4.5
3	20 inches	66 inches	extremely gravelly silty clay	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 4.5

### Soil Map ID: 2

Soil Component Name: Goss

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	16 inches	gravelly silt	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 4.5
2	16 inches	27 inches	very gravelly silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 4.5
3	27 inches	55 inches	extremely gravelly silty clay	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 4.5
4	55 inches	59 inches	silty clay	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 4.5

Soil Map ID: 3

Soil Component Name: Winfield

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 99 inches

	Soil Layer Information							
	Bou	ındary		Classi	fication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec (pH)		
1	0 inches	9 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1	
2	9 inches	16 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1	
3	16 inches	48 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1	
4	48 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.1	

## Soil Map ID: 4

Hydrologic Group:

Soil Component Name: Menfro

Soil Surface Texture: silt loam

Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	_		Soil Layer	Information			
	Bou	undary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	12 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	12 inches	16 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	16 inches	55 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
4	55 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6

Soil Map ID: 5

Soil Component Name: Menfro

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Bou	ındary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity Soil Reaction	
1	0 inches	12 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	12 inches	16 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	16 inches	55 inches	silty clay loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
4	55 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6

Soil Map ID: 6

Soil Component Name: Urban land

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 7

Soil Component Name: Ashton

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

			Soil Layer	Information			
	Bou	ındary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	14 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
2	14 inches	42 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6
3	42 inches	59 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.3 Min: 5.6

Soil Map ID: 8

Soil Component Name: Urban land

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

## **LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40000694635	0 - 1/8 Mile WNW
4	USGS40000694657	1/8 - 1/4 Mile NNW
6	USGS40000694658	1/2 - 1 Mile ENE
A8	USGS40000694606	1/2 - 1 Mile SE
B10	USGS40000694579	1/2 - 1 Mile SW
C11	USGS40000694631	1/2 - 1 Mile East
D13	USGS40000694571	1/2 - 1 Mile SE
15	USGS40000694614	1/2 - 1 Mile ESE

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID LOCATION FROM TP

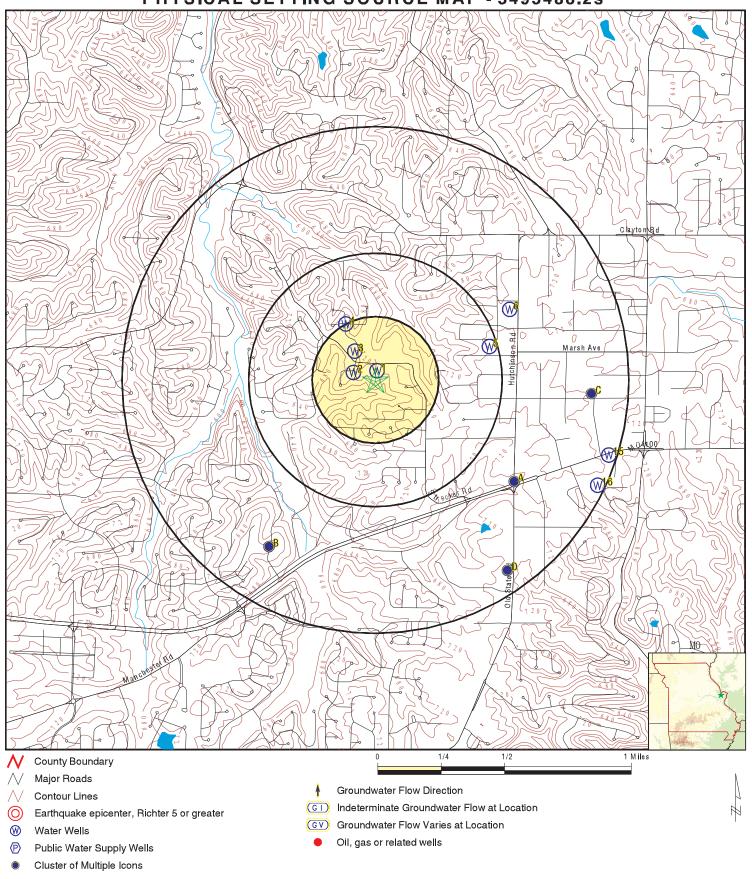
No PWS System Found

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

WELL ID	LOCATION FROM TP
MOLOG1000017958 MOLOG1000017965	0 - 1/8 Mile North 1/8 - 1/4 Mile NW
MOLOG1000017966	1/4 - 1/2 Mile ENE 1/2 - 1 Mile SE
MOLOG1000017859	1/2 - 1 Mile SSW 1/2 - 1 Mile East
MOLOG1000017842 MOLOG1000017884	1/2 - 1 Mile SE 1/2 - 1 Mile ESE
	MOLOG1000017958 MOLOG1000017965 MOLOG1000017966 MOLOG1000017886 MOLOG1000017859 MOLOG1000017938 MOLOG1000017842

# PHYSICAL SETTING SOURCE MAP - 5495488.2s



SITE NAME: Callahan Property ADDRESS: 210 Strecker Road

Ballwin MO 63011 LAT/LONG: 38.596574 / 90.60547 CLIENT: Tetra Tech EMI CONTACT: Ann Marie Pohlman

INQUIRY #: 5495488.2s DATE: November 27, 201

TE: November 27, 2018 4:10 pm

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Map ID Direction Distance

EDR ID Number Elevation Database

**MO WELLS** MOLOG1000017958 North 0 - 1/8 Mile

Higher

Database: Geologic Well Log Database ID: 008368

Static Water Level: 270 Elevation: 726

2 WNW **FED USGS** USGS40000694635

0 - 1/8 Mile Higher

> Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

Monitor Location: T45N R04E 31DAA1 Type: Well Not Reported HUC: Description: 10300200 Drainage Area: Not Reported Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Ozark Plateaus aquifer system

St Peter Sandstone Formation Type: Aquifer Type: Not Reported

Construction Date: 19420000 Well Depth: 670

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

1942-06-01 Ground water levels. Number of Measurements: 1 Level reading date:

Feet below surface: Feet to sea level: Not Reported Not Reported Note:

NW **MO WELLS** MOLOG1000017965

1/8 - 1/4 Mile Higher

> Database: Geologic Well Log Database 002992 Elevation: 703 Static Water Level: 153

**FED USGS** USGS40000694657 NNW 1/8 - 1/4 Mile

Higher

Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

T45N R04E 31ADB Monitor Location: Type: Well 10300200 HUC: Description: Not Reported Drainage Area: Not Reported **Drainage Area Units:** Not Reported Contrib Drainage Area Unts: Contrib Drainage Area: Not Reported Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Kimmswick Limestone Aquifer Type: Confined multiple aquifer

19340000 Construction Date: Well Depth: 300

Well Depth Units: Well Hole Depth: ft

Not Reported Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1934-09-01

Feet below surface: 153 Feet to sea level: Not Reported Not Reported

ĔNE MOLOG1000017966 **MO WELLS** 

1/4 - 1/2 Mile Higher

Note:

Geologic Well Log Database ID: 012977 Database: Elevation: 741 Static Water Level: 125

ENE **FED USGS** USGS40000694658

1/2 - 1 Mile Higher

> Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

Monitor Location: T45N R04E 32BDA1 Type: HUC: Description: Not Reported 10300200 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Kimmswick Limestone Aquifer Type: Confined multiple aquifer

19540000 Construction Date: Well Depth:

Well Depth Units: Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1954-01-01 Feet to sea level: Not Reported Feet below surface: 125

Note: Not Reported

**MO WELLS** MOLOG1000017886 SE 1/2 - 1 Mile

Geologic Well Log Database ID: 002541 Database: Static Water Level:

SE **FED USGS** USGS40000694606

1/2 - 1 Mile Lower

Elevation:

Lower

USGS-MO USGS Missouri Water Science Center Organization ID: Organization Name:

Type: Monitor Location: T45N R04E 32DCC1 Well Description: Not Reported HUC: 10300200 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Ozark Plateaus aquifer system Aquifer:

718

Formation Type: **Decorah Formation** Aquifer Type: Confined multiple aquifer

Construction Date: 19320000 Well Depth:

Well Depth Units: Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

0

Map ID Direction Distance

EDR ID Number Elevation Database

**B9** SSW

**MO WELLS** MOLOG1000017859

1/2 - 1 Mile Lower

> Database: Geologic Well Log Database ID: 009054

Static Water Level: 150 Elevation: 705

**B10** SW 1/2 - 1 Mile **FED USGS** USGS40000694579

Higher

Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

Monitor Location: T44N R04E 06ABC1 Type: Well HUC: Description: Not Reported 10300200 Drainage Area: Not Reported Not Reported Drainage Area Units: Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Joachim Dolomite Aquifer Type: Not Reported

Construction Date: 19460000 Well Depth: 476

Well Depth Units: Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

1946-02-01 Ground water levels. Number of Measurements: 1 Level reading date:

Feet below surface: Feet to sea level: Not Reported Not Reported Note:

C11 **FED USGS** USGS40000694631 **East** 

1/2 - 1 Mile Higher

> Organization ID: **USGS-MO** Organization Name: USGS Missouri Water Science Center

Monitor Location: T45N R04E 32DAB1 Type: Well Description: Not Reported HUC: 07140102 Drainage Area: Not Reported Not Reported Drainage Area Units: Contrib Drainage Area Unts: Contrib Drainage Area: Not Reported Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Kimmswick Limestone Aquifer Type: Confined multiple aquifer

Construction Date: 19380000 Well Depth:

Well Depth Units: Well Hole Depth: ft Not Reported

Well Hole Depth Units: Not Reported

C12

**MO WELLS** MOLOG1000017938 **East** 1/2 - 1 Mile

Higher

Geologic Well Log Database ID: 005332 Database: Elevation: Static Water Level:

Map ID Direction Distance

Elevation Database EDR ID Number

D13 SE

FED USGS USGS40000694571

1/2 - 1 Mile Higher

Organization ID: USGS-MO Organization Name: USGS Missouri Water Science Center

T44N R04E 05BDA1 Monitor Location: Type: Well Not Reported HUC: 10300200 Description: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Burlington Limestone Aquifer Type: Not Reported

Construction Date: 19370000 Well Depth: 154

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1937-06-01

Feet below surface: 100 Feet to sea level: Not Reported

Note: Not Reported

D14
SE MO WELLS MOLOG1000017842

1/2 - 1 Mile Higher

Database: Geologic Well Log Database ID: 004340
Elevation: 725 Static Water Level: 100

15
ESE FED USGS USGS40000694614

1/2 - 1 Mile Higher

Organization ID: USGS-MO Organization Name: USGS Missouri Water Science Center

Monitor Location: T45N R04E 32DDB1 Type: Well HUC: 07140102 Description: Not Reported Drainage Area: Not Reported Not Reported Drainage Area Units: Contrib Drainage Area Unts: Contrib Drainage Area: Not Reported Not Reported

Aquifer: Ozark Plateaus aquifer system

Formation Type: Joachim Dolomite Aquifer Type: Confined multiple aquifer

Construction Date: 19330000 Well Depth: 500

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

Ground water levels, Number of Measurements: 1 Level reading date: 1933-06-01

Feet below surface: 220 Feet to sea level: Not Reported

Note: Not Reported

Map ID Direction

Distance Elevation Database EDR ID Number 16 ESE 1/2 - 1 Mile Higher MOLOG1000017884 MO WELLS

Database: Geologic Well Log Database ID: 002734 Elevation: 732 Static Water Level: 220

# AREA RADON INFORMATION

State Database: MO Radon

Radon Test Results

Zipcode	Test Date	Result
00044	00/47/00	
63011	02/17/09	2.4
63011	02/19/05	1.5
63011	01/16/09	< 0.3
63011	01/20/05	5.4
63011	02/05/09 03/27/09	1.2 1.9
63011 63011	03/27/09	0.5
63011	04/07/06	0.5 < 0.3
63011	04/15/08	????
63011	04/18/05	28.6
63011	04/18/08	0.9
63011	04/27/07	11.2
63011	02/23/09	4.6
63011	02/25/05	5
63011	02/25/08	2.6
63011	02/28/05	7.3
63011	03/01/05	0.9
63011	03/10/05	12.7
63011	03/10/09	< 0.3
63011	05/20/05	5.7
63011	05/20/05	10.4
63011	05/26/05	8.4
63011	07/05/08	2.4
63011	08/11/08	1.2
63011	09/02/08	0.9
63011	09/17/08	1.9
63011	06/19/08	8.0
63011	06/27/05	5.7
63011	05/03/08	8.7
63011	05/10/06	4.7
63011	10/11/07	3
63011	11/10/06	3.1
63011	11/26/04	????
63011	12/08/08	4.7
63011	12/09/08	2
63011	12/26/06	9

Federal EPA Radon Zone for ST. LOUIS County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

# AREA RADON INFORMATION

Federal Area Radon Information for Zip Code: 63011

Number of sites tested: 8

Area Average Activity % <4 pCi/L % 4-20 pCi/L % >20 pCi/L

Living Area - 1st Floor 1.300 pCi/L 100% 0% 0%

Living Area - 2nd Floor Not Reported Not Reported Not Reported Not Reported

Basement 1.063 pCi/L 100% 0% 0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: National Wetland Inventory of Missouri

Source: Department of Natural Resources

Telephone: 573-751-5110

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Missouri Public Drinking Water Wells

Source: Department of Natural Resources

Telephone: 573-526-5448

#### OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Department of Natural Resources

Telephone: 573-368-2143

#### **RADON**

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

#### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

# STREET AND ADDRESS INFORMATION

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**Callahan Property** 

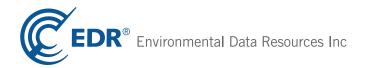
210 Strecker Road Ballwin, MO 63011

Inquiry Number: 5495488.2s

December 10, 2018

# **EDR Vapor Encroachment Screen**

**Prepared using EDR's Vapor Encroachment Worksheet** 



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Map Findings	4
Record Sources and Currency	GR-1

# **Thank you for your business.** Please contact EDR at 1-800-352-0050 with any questions or comments.

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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Federal NPL site list	1.0	0	1	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	2	0
Federal CERCLIS NFRAP site list	0.5	0	1	1
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	1	0
Federal ERNS list	property	0	-	-
State- and tribal - equivalent NPL	not searched	-	-	-
State- and tribal - equivalent CERCLIS	1.0	0	0	1
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	0	0
State and tribal registered storage tank lists	0.25	0	0	0
State and tribal institutional control / engineering control registries	0.5	0	0	0
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

# ADDITIONAL ENVIRONMENTAL RECORDS

	1			
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	not searched	-	-	-
Local Land Records	property	0	-	-
Records of Emergency Release Reports	property	0	-	-
Other Ascertainable Records	1.0	0	1	1

# **EDR HIGH RISK HISTORICAL RECORDS**

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	property	0	-	-

# **EDR RECOVERED GOVERNMENT ARCHIVES**

EDR Exclusive Records	1.0	0	0	0	
Exclusive Recovered Govt. Archives	property	0	-	-	

<sup>\*</sup>The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

# TARGET PROPERTY INFORMATION

# **ADDRESS**

CALLAHAN PROPERTY 210 STRECKER ROAD BALLWIN, MO 63011

# **COORDINATES**

Latitude (North): 38.596574 - 38° 35′ 47.662354″ Longitude (West): 90.60547 - 90° 36′ 19.6875″ Elevation: 712 ft. above sea level

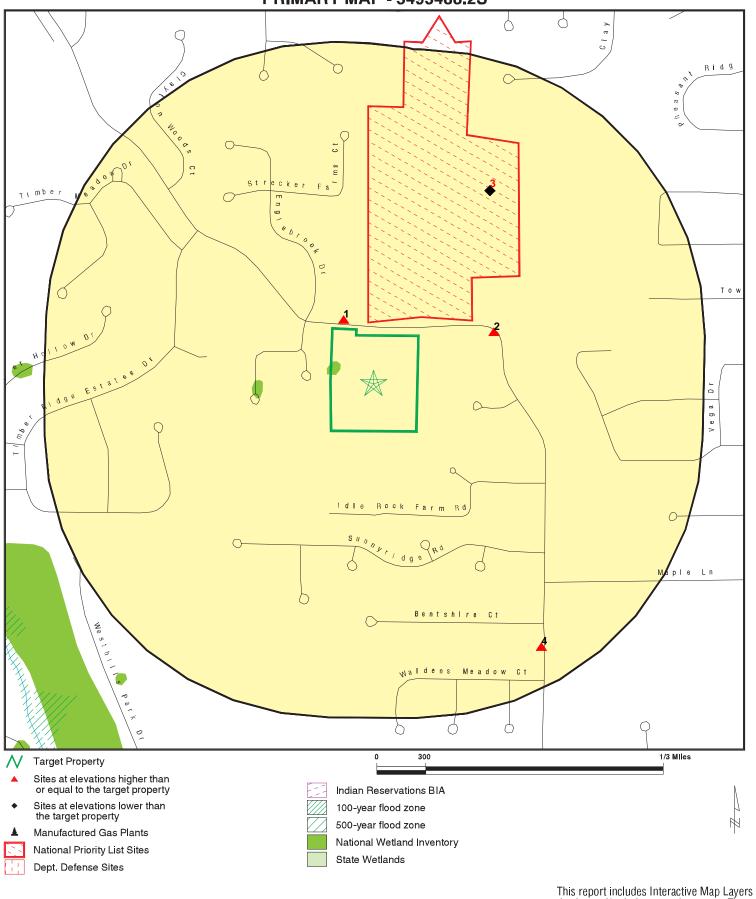
# SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

# STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
ELLISVILLE SITE  NPL: NPL ICIS: ICIS US ENG CONTROLS: US ENG CONTROLS PRP: PRP ROD: ROD SEMS: SEMS	NEAR ELLISVILLE	<1/10 N	Region	8
EATON ARENA SEMS-ARCHIVE: SEMS-ARCHIVE	201 STRECKER RD	<1/10 NNW	<b>1</b>	33
MID AMERICA ARENA SUBSITE (ELLISVILLE) SEMS: SEMS	146 STRECKER RD	<1/10 ENE	<b>^</b> 2	34
ELLISVILLE-BLISS SHWS: SHWS SMARS: SMARS	149 STRECKER ROAD	1/10 - 1/3 NNE	<b>4</b> 3	36
H BAR 7 RANCH SEMS-ARCHIVE: SEMS-ARCHIVE ADDITIONAL ENVIRONMENTAL RECORDS	48 STRECKER RD	1/10 - 1/3 SSE	<b>4</b>	43
ADDITIONAL ENVIRONMENTAL RECORDS				
Name	Address	Dist/Dir	Map ID	Page
Name  ELLISVILLE SITE  NPL: NPL ICIS: ICIS US ENG CONTROLS: US ENG CONTROLS PRP: PRP ROD: ROD SEMS: SEMS	Address NEAR ELLISVILLE	<u>Dist/Dir</u> <1/10 N	Map ID Region	Page
ELLISVILLE SITE  NPL: NPL ICIS: ICIS US ENG CONTROLS: US ENG CONTROLS PRP: PRP ROD: ROD				Page
ELLISVILLE SITE  NPL: NPL ICIS: ICIS US ENG CONTROLS: US ENG CONTROLS PRP: PRP ROD: ROD SEMS: SEMS  ELLISVILLE-BLISS SHWS: SHWS	NEAR ELLISVILLE	<1/10 N	Region	
ELLISVILLE SITE  NPL: NPL ICIS: ICIS US ENG CONTROLS: US ENG CONTROLS PRP: PRP ROD: ROD SEMS: SEMS  ELLISVILLE-BLISS SHWS: SHWS SMARS: SMARS	NEAR ELLISVILLE	<1/10 N	Region	
ELLISVILLE SITE  NPL: NPL ICIS: ICIS US ENG CONTROLS: US ENG CONTROLS PRP: PRP ROD: ROD SEMS: SEMS  ELLISVILLE-BLISS SHWS: SHWS SMARS: SMARS  EDR HIGH RISK HISTORICAL RECORDS	NEAR ELLISVILLE  149 STRECKER ROAD	<1/10 N	Region	36
ELLISVILLE SITE  NPL: NPL ICIS: ICIS US ENG CONTROLS: US ENG CONTROLS PRP: PRP ROD: ROD SEMS: SEMS  ELLISVILLE-BLISS SHWS: SHWS SMARS: SMARS  EDR HIGH RISK HISTORICAL RECORDS	NEAR ELLISVILLE  149 STRECKER ROAD	<1/10 N	Region	36
ELLISVILLE SITE  NPL: NPL ICIS: ICIS US ENG CONTROLS: US ENG CONTROLS PRP: PRP ROD: ROD SEMS: SEMS  ELLISVILLE-BLISS SHWS: SHWS SMARS: SMARS  EDR HIGH RISK HISTORICAL RECORDS  Name  Not Reported	NEAR ELLISVILLE  149 STRECKER ROAD	<1/10 N	Region	36

# **PRIMARY MAP - 5495488.2S**



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

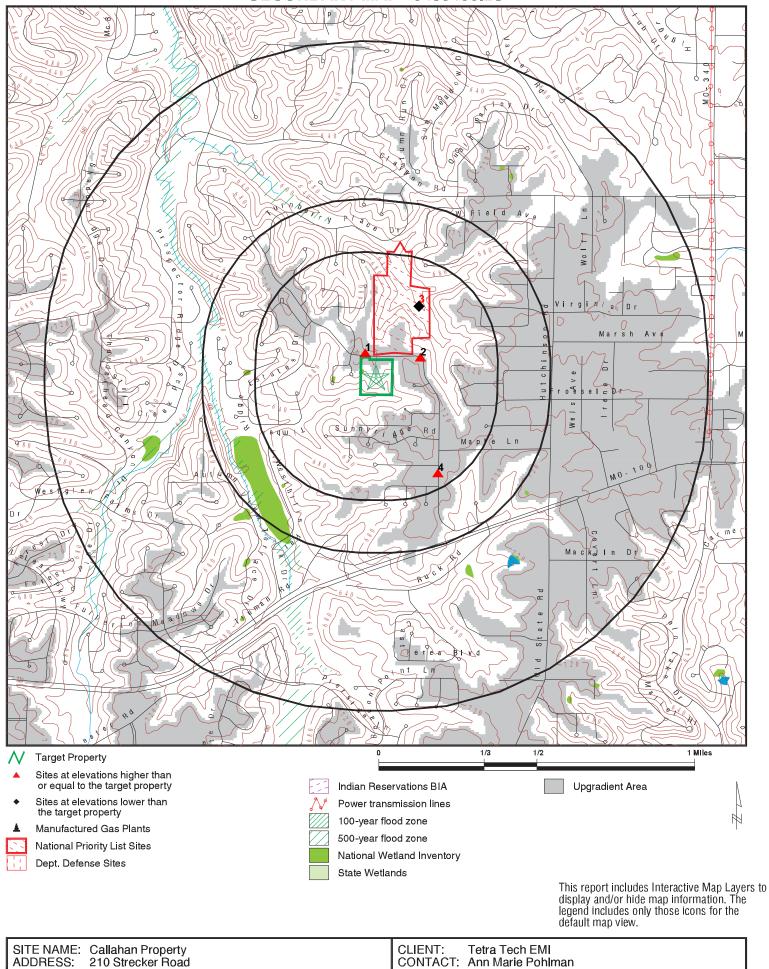
SITE NAME: Callahan Property ADDRESS: 210 Strecker Road

Ballwin MO 63011 LAT/LONG: 38.596574 / 90.60547 CLIENT: Tetra Tech EMI CONTACT: Ann Marie Pohlman INQUIRY#: 5495488.2s

DATE: November 27, 2018 4:09 pm

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# **SECONDARY MAP - 5495488.2S**



#### **LEGEND**

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP  EDR SITE ID NUMBER			
◆ MAP ID#  Direction Distance Range (Distance feet / miles)  Relative Elevation Feet Above Sea Level		ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.	
Worksheet:  Comments:  Comments may be accomments may be accomments.	dded on the online Vapor Encro	oachment Worksheet.	

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

ELLISVILLE SITE NEAR ELLISVILLE, ELLISVILLE, MO, 63011 1000444560					
Region	N <1/10	(80 ft. / 0.015 mi.)	Federal NPL site list Federal CERCLIS list Federal institutional controls / engineering controls registries Other Ascertainable Records		

# Worksheet:

#### **NPL: Federal NPL site list**

EPA ID: MOD980633010

 Cerclis ID:
 701205

 EPA Region:
 7

 Federal:
 N

Final Date: 1983-09-08 00:00:00
Site Score: Not Reported

Latitude: 38.603330999999997 Longitude: -90.618330999999998

# **Category Details:**

NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 100 Feet

Category Value: 150

NPL Status: Currently on the Final NPL

Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile

Category Value: 50

#### Site Details:

Site Name: ELLISVILLE SITE

Site Status: Final
Site Zip: 63011

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Site City:ELLISVILLESite State:MOFederal Site:No

Site County: ST. LOUIS

EPA Region: 07
Date Proposed: 12/30/82
Date Deleted: Not Reported
Date Finalized: 09/08/83

#### **Substance Details:**

NPL Status: Currently on the Final NPL

Substance ID: Not Reported Substance: Not Reported CAS #: Not Reported Pathway: Not Reported Scoring: Not Reported

NPL Status: Currently on the Final NPL

Substance ID: A023
Substance: DDE
CAS #: 72-55-9

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: A046

Substance: POLYCHLORINATED BIPHENYLS

CAS #: 1336-36-3

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: C311

Substance: PHTHALATES CAS #: Not Reported

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: C392

Substance: PHOSPHORIC ACID

CAS #: 7664-38-2

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: P004
Substance: ALDRIN
CAS #: 309-00-2

Pathway: NO PATHWAY INDICATED

Scoring: 1

#### ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

NPL Status: Currently on the Final NPL

Substance ID: P059

Substance: HEPTACHLOR

CAS #: 76-44-8

Pathway: NO PATHWAY INDICATED

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: U061
Substance: DDT
CAS #: 50-29-3

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: U169

Substance: NITROBENZENE

CAS #: 98-95-3

Pathway: NO PATHWAY INDICATED

Scoring:

NPL Status: Currently on the Final NPL

Substance ID: W003

Substance: ACID COMPOUNDS CAS #: Not Reported

Pathway: NO PATHWAY INDICATED

Scoring: 1

NPL Status: Currently on the Final NPL

Substance ID: W006

Substance: WASTE LACQUER/PAINT

CAS #: Not Reported

Pathway: NO PATHWAY INDICATED

Scoring: 1

### **Summary Details:**

Conditions at listing October 1981): Three properties, Callahan 28 acres), Rosalie 85 acres), and Bliss 12 acres), near Ellisville, Missouri, are known collectively as the Ellisville site. In 1980, a contractor unearthed buried drums ofpaint solvents and pesticides while constructing a sewer line at the Callahan property. Further investigation revealed two other areas where industrial wastes had been buried within a 1-mile area along Caulks Creek, a tributary of the MissouriRiver. Leachate is flowing from the disposal area to the creek. Ground water, which is used as drinking water, may have been contaminated. This is the top priority site in Missouri. Status July 1983): In January 1982, EPA used310,000 in CERCLA emergency funds to excavate drums and take other emergency actions at the Rosalie and

#### ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Callahan sites. Since early February 1982, EPA has authori ed about 500,000 part under a Cooperative Agreement with Missouri) for 1) disposal of the excavated drums, 2) a remedial investigation to determine the type and extent of contamination at the Bliss property, and 3) a feasibility study to identify alternatives for remedial actions at all three. The work is scheduled tobe completed in the third quarter of 1983. EPA and the State have identified parties potentially responsible for wastes associated with the site, and their cooperation in the cleanup is being sought.

#### Site Status Details:

NPL Status: Final
Proposed Date: 12/30/1982
Final Date: 09/08/1983
Deleted Date: Not Reported

#### **Narratives Details:**

NPL Name: ELLISVILLE SITE City: ELLISVILLE State: MO

#### **SEMS: Federal CERCLIS list**

Site ID: 701205

EPA ID: MOD980633010

Cong District: 2 FIPS Code: 29189

Latitude: 38.603330999999997 Longitude: -90.618330999999998

FF: N

NPL: Currently on the Final NPL

Non NPL Status: Not Reported

# SEMS Detail:

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 3

 Action Code:
 RA

 Action Name:
 RA

 SEQ:
 3

Start Date: 1997-07-01 00:00:00

Finish Date: 9/30/1998

Qual: M

Current Action Lead: EPA Perf In-Hse

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 2

 Action Code:
 RD

 Action Name:
 RD

 SEQ:
 7

Start Date: 1991-10-07 00:00:00

Finish Date: 1/30/1996

Qual: Not Reported

Current Action Lead: EPA Perf In-Hse

Region: 7
Site ID: 701205

EPA ID: MOD980633010

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 4

 Action Code:
 RD

 Action Name:
 RD

 SEQ:
 4

Start Date: 1991-10-07 00:00:00

Finish Date: 1/30/1996

Qual: Not Reported

Current Action Lead: EPA Perf In-Hse

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 NP

Action Name: PROPOSED

SEQ: 1

Start Date: 1982-12-30 00:00:00

Finish Date: 12/30/1982

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

NPL: F FF: N

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

0 Action Code: RS

**RV ASSESS** Action Name:

SEQ:

1992-09-10 00:00:00 Start Date:

Finish Date: 12/31/1992 Qual: Not Reported **Current Action Lead: EPA Perf** 

Region:

Site ID: 701205

EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: F FF: Ν OU: 0 Action Code: RVAction Name: **RMVL** SEQ:

Start Date: 1992-03-09 00:00:00

Finish Date: 8/24/1994

Qual: Current Action Lead: **EPA Perf** 

Region: 7 Site ID: 701205

EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: F FF: Ν OU: 0 Action Code: RS

Action Name: **RV ASSESS** 

SEQ:

Start Date: 1991-11-06 00:00:00

Finish Date: 11/6/1991 Not Reported Qual: Current Action Lead: **EPA Perf** 

7 Region: Site ID:

701205

EPA ID: MOD980633010 Site Name: **ELLISVILLE SITE** 

NPL: F FF: Ν OU: 2 Action Code: GM

Action Name: **GWTRMON** 

SEQ:

1994-07-01 00:00:00 Start Date: Finish Date: Not Reported

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Qual: Not Reported Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 AS

 Action Name:
 AIR SRVY

SEQ:

Start Date: 1990-02-06 00:00:00

Finish Date: 5/17/1990

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 2

 Action Code:
 AR

Action Name: ADMIN REC

SEQ: 1

Start Date: 1988-02-19 00:00:00
Finish Date: Not Reported

Qual: E
Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 4

 Action Code:
 AR

Action Name: ADMIN REC

SEQ: 4

Start Date: 1996-06-28 00:00:00
Finish Date: Not Reported

Qual: V

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 AR

Action Name: ADMIN REC

SEQ: 2

Start Date: 1990-07-31 00:00:00
Finish Date: Not Reported

Qual:

Current Action Lead: EPA Perf

Region: 7

Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 1

 Action Code:
 RO

 Action Name:
 ROD

 SEQ:
 2

Start Date: 1985-07-10 00:00:00

Finish Date: 7/10/1985

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RV

 Action Name:
 RMVL

 SEQ:
 1

Start Date: 1982-03-01 00:00:00

Finish Date: 3/31/1982 Qual: C

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 CM

 Action Name:
 PCOR

 SEQ:
 1

# **ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)**

Start Date: 1997-09-30 00:00:00

Finish Date: 9/30/1997

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7

Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RV

 Action Name:
 RMVL

 SEQ:
 2

Start Date: 1990-06-07 00:00:00

Finish Date: 7/31/1990

Qual: C

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 AR

Action Name: ADMIN REC

SEQ: 3

Start Date: 1994-06-29 00:00:00
Finish Date: Not Reported

Qual: V
Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RS

Action Name: RV ASSESS

SEQ: 4

Start Date: 1993-10-04 00:00:00

Finish Date: 3/24/1994

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RS

Action Name: RV ASSESS

SEQ:

Start Date: 1990-01-16 00:00:00

Finish Date: 8/31/1990

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 SI

 Action Name:
 SI

 SEQ:
 1

Start Date: 1983-12-01 00:00:00

Finish Date: 12/1/1983

Qual: H

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 NF

 Action Name:
 NPL FINL

SEQ: 1

Start Date: 1983-09-08 00:00:00

Finish Date: 9/8/1983

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 2

 Action Code:
 FS

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Action Name: FS SEQ: 4

Start Date: 1990-12-31 00:00:00

Finish Date: 9/30/1991
Qual: Not Reported
Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 1

 Action Code:
 FS

 Action Name:
 FS

 SEQ:
 1

Start Date: 1982-11-02 00:00:00

Finish Date: 7/10/1985

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7

Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 DS

 Action Name:
 DISCVRY

SEQ: 1

Start Date: 1980-08-01 00:00:00

Finish Date: 8/1/1980

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 PA

 Action Name:
 PA

 SEQ:
 1

Start Date: 1981-03-01 00:00:00

Finish Date: 3/1/1981

Qual: L

Current Action Lead: EPA Perf

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Region: 7

Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RV

 Action Name:
 RMVL

 SEQ:
 6

Start Date: 2012-11-26 00:00:00

Finish Date: 12/14/2012

Qual: C
Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RV

 Action Name:
 RMVL

 SEO:
 5

Start Date: 2012-10-24 00:00:00

Finish Date: 10/30/2012

Qual: C
Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RV

 Action Name:
 RMVL

 SEQ:
 7

Start Date: 2014-03-24 00:00:00

Finish Date: 3/24/2015

Qual: C

Current Action Lead: EPA Perf

Region: 7

Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

NPL: F FF: N

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

OU: 0
Action Code: RS

Action Name: RV ASSESS

SEQ: 5

Start Date: 2013-07-16 00:00:00

Finish Date: 7/25/2013

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7

Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 3

 Action Code:
 TV

 Action Name:
 Partial Del

SEQ:

Start Date: 2014-06-17 00:00:00

Finish Date: 3/18/2016

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 3

 Action Code:
 GR

 Action Name:
 PART DEL

SEQ: 1

Start Date: 2016-03-19 00:00:00

Finish Date: 7/17/2017

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7

Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 3

 Action Code:
 RD

 Action Name:
 RD

 SEQ:
 2

Start Date: 1984-12-28 00:00:00

Finish Date: 3/28/1991

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Qual: M

Current Action Lead: EPA Perf

Region: 7

Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 2

 Action Code:
 RO

 Action Name:
 ROD

 SEQ:
 1

Start Date: 1986-09-29 00:00:00

Finish Date: 9/29/1986

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 HR

Action Name: HAZRANK

SEQ:

Start Date: 1982-08-06 00:00:00

Finish Date: 8/6/1982

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 2

 Action Code:
 FS

 Action Name:
 FS

 SEQ:
 2

Start Date: 1984-08-07 00:00:00

Finish Date: 9/29/1986

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RV

 Action Name:
 RMVL

 SEQ:
 4

Start Date: 1997-09-26 00:00:00

Finish Date: 9/30/1997

Qual: C

Current Action Lead: EPA Perf

Region: 7

Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 2

 Action Code:
 RA

 Action Name:
 RA

 SEQ:
 4

Start Date: 1996-01-30 00:00:00

Finish Date: 9/30/1998

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 CR

 Action Name:
 CI

 SEQ:
 1

Start Date: 1986-01-21 00:00:00

Finish Date: 9/30/1998

Qual: Not Reported

Current Action Lead: EPA Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 1

 Action Code:
 RA

 Action Name:
 RA

 SEQ:
 1

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Start Date: 1986-07-31 00:00:00

Finish Date: 10/31/1986

Qual: Not Reported

Current Action Lead: St Ovrsght

Region: 7

Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 1

 Action Code:
 RD

 Action Name:
 RD

 SEQ:
 1

Start Date: 1984-12-28 00:00:00

Finish Date: 7/31/1986

Qual: Not Reported

Current Action Lead: St Ovrsght

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 2

 Action Code:
 BF

 Action Name:
 PRP RA

SEQ: 3

Start Date: 1996-01-30 00:00:00

Finish Date: 9/30/1998

Qual: Not Reported

Current Action Lead: EPA Ovrsght

 Region:
 7

 Site ID:
 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 4

 Action Code:
 BF

 Action Name:
 PRP RA

 SEQ:
 1

Start Date: 1996-01-25 00:00:00

Finish Date: 9/30/1998

Qual: Not Reported

Current Action Lead: EPA Ovrsght

Region: 7
Site ID: 701205

# ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 4

 Action Code:
 OF

 Action Name:
 O AND F

 SEQ:
 1

Start Date: 1998-08-30 00:00:00

Finish Date: 9/30/1998

Qual: Not Reported

Current Action Lead: EPA Ovrsght

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 2

 Action Code:
 RD

 Action Name:
 RD

 SEQ:
 3

Start Date: 1987-03-31 00:00:00

Finish Date: 10/2/1990
Qual: H
Current Action Lead: St Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 1

 Action Code:
 RI

 Action Name:
 RI

 SEQ:
 1

Start Date: 1982-03-17 00:00:00

Finish Date: 7/10/1985

Qual: Not Reported

Current Action Lead: St Perf

Region: 7
Site ID: 701205

EPA ID: MOD980633010
Site Name: ELLISVILLE SITE

 NPL:
 F

 FF:
 N

 OU:
 0

 Action Code:
 RS

#### **ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)**

Action Name: RV ASSESS

SEQ: 6

Start Date: 2016-05-16 00:00:00

Finish Date: Not Reported Qual: Not Reported Current Action Lead: Not Reported

## US ENG CONTROLS: Federal institutional controls / engineering controls registries

EPA ID: MOD980633010

Site ID: 0701205

Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

ELLISVILLE, MO 63011

EPA Region: 07

County: ST. LOUIS

Event Code: Not Reported

Actual Date: 09/30/1991

Contact Name: Not Reported

Contact Phone and Ext: Not Reported

Event Code Description: Not Reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986
Operable Unit: 02
Contaminated Media : Debris
Engineering Control: Disposal
Contact Name: Not Reported
Contact Phone and Ext: Not Reported

Action ID: 001

**Event Code Description:** 

Action Name: RECORD OF DECISION

Not Reported

Action Completion date: 09/29/1986

Operable Unit: 02

Contaminated Media: Groundwater
Engineering Control: Monitoring
Contact Name: Not Reported
Contact Phone and Ext: Not Reported
Event Code Description: Not Reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986

Operable Unit: 02

Contaminated Media: Liquid Waste
Engineering Control: Extraction
Contact Name: Not Reported
Contact Phone and Ext: Not Reported
Event Code Description: Not Reported

#### ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Action ID:

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986

Operable Unit:

Liquid Waste Contaminated Media: **Engineering Control:** Incineration Contact Name: Not Reported Contact Phone and Ext: Not Reported **Event Code Description:** Not Reported

Action ID: 001

RECORD OF DECISION Action Name:

09/29/1986 Action Completion date:

Operable Unit: Contaminated Media: Sediment Engineering Control: Monitoring Contact Name: Not Reported Contact Phone and Ext: Not Reported Event Code Description: Not Reported

Action ID: 001

RECORD OF DECISION Action Name:

Action Completion date: 09/29/1986

02 Operable Unit: Contaminated Media: Soil **Engineering Control:** Excavation Contact Name: Not Reported Contact Phone and Ext: Not Reported

Action ID:

**Event Code Description:** 

Action Name: RECORD OF DECISION

Not Reported

Not Reported

09/29/1986 Action Completion date:

02 Operable Unit: Contaminated Media: Soil

**Engineering Control:** Storage - Temporary Contact Name: Not Reported Contact Phone and Ext: Not Reported Event Code Description:

Action ID: 001

RECORD OF DECISION Action Name:

Action Completion date: 09/29/1986

Operable Unit: 02

Solid Waste Contaminated Media: **Engineering Control:** Disposal Contact Name: Not Reported Contact Phone and Ext: Not Reported **Event Code Description:** Not Reported

Action ID: 001

Action Name: RECORD OF DECISION

#### ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Action Completion date: 09/29/1986

Operable Unit: 02

Contaminated Media: Solid Waste
Engineering Control: Excavation
Contact Name: Not Reported
Contact Phone and Ext: Not Reported
Event Code Description: Not Reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986

Operable Unit: 02

Contaminated Media: Surface Water
Engineering Control: Monitoring
Contact Name: Not Reported
Contact Phone and Ext: Not Reported
Event Code Description: Not Reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 09/29/1986

Operable Unit: 02

Contaminated Media : Surface Water

Engineering Control: Surface Water Control

Contact Name: Not Reported
Contact Phone and Ext: Not Reported
Event Code Description: Not Reported

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 07/10/1985

Operable Unit:

Contaminated Media:

Engineering Control:

Contact Name:

Contact Phone and Ext:

Event Code Description:

O1

Soil

Disposal

Not Reported

Not Reported

Not Reported

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 07/10/1985

Operable Unit: 01
Contaminated Media : Soil

Engineering Control: Engineering Control, (N.O.S.)

Contact Name: Not Reported
Contact Phone and Ext: Not Reported
Event Code Description: Not Reported

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 07/10/1985

Operable Unit: 01

#### ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Contaminated Media : Soil

Engineering Control: Excavation

Contact Name: Not Reported

Contact Phone and Ext: Not Reported

Event Code Description: Not Reported

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 07/10/1985

Operable Unit: 01
Contaminated Media : Soil

Engineering Control: Slope Stabilization
Contact Name: Not Reported
Contact Phone and Ext: Not Reported
Event Code Description: Not Reported

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 07/10/1985

Operable Unit: 01

Contaminated Media: Solid Waste
Engineering Control: Disposal
Contact Name: Not Reported
Contact Phone and Ext: Not Reported
Event Code Description: Not Reported

Action ID: 002

Action Name: RECORD OF DECISION

Action Completion date: 07/10/1985

Operable Unit: 01

Contaminated Media: Solid Waste
Engineering Control: Excavation
Contact Name: Not Reported
Contact Phone and Ext: Not Reported
Event Code Description: Not Reported

Action ID: 001

Action Name: ROD Amendment

Action Completion date: 09/30/1991

Operable Unit: 02
Contaminated Media : Soil

Engineering Control: Excavation
Contact Name: Not Reported
Contact Phone and Ext: Not Reported
Event Code Description: Not Reported

Action ID: 001

Action Name: ROD Amendment

Action Completion date: 09/30/1991

Operable Unit: 02 Contaminated Media : Soil

Engineering Control: Incineration

#### ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Contact Name: Not Reported
Contact Phone and Ext: Not Reported
Event Code Description: Not Reported

**ROD: Other Ascertainable Records** 

Full-text of USEPA Record of Decision(s) is available from EDR.

**PRP: Other Ascertainable Records** 

PRP Name: AMERICAN CAN COMPANY

BLISS, EVELETH J.
BLISS, RUSSELL M.
CALLAHAN, GROVER T.
CALLAHAN, JEAN ELLEN
HOULIHAN NURSEY CO., INC
JERRY-RUSSELL BLISS, INC.

KISCO CO., INC. PRIMERICA, INC.

REXAM BEVERAGE CAN COMPANY, INC

ROSALIE INVESTMENT CO.

ICIS: Other Ascertainable Records

Enforcement Action ID: 07-1985-0128 FRS ID: 110009351968

Action Name: BLISS-ELLISVILLE & IPC

Facility Name: ELLISVILLE SITE
Facility Address: NEAR ELLISVILLE
ELLISVILLE, MO 63011

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz

Facility County: Not Reported

Program System Acronym: ICIS

Enforcement Action Forum Desc: Administrative - Formal

EA Type Code: 106
Facility SIC Code: 4953
Federal Facility ID: Not Reported
Latitude in Decimal Degrees: 38.60333

Longitude in Decimal Degrees: -90.61833

Permit Type Desc: Not Reported

Program System Acronym: 44690

Facility NAICS Code: Not Reported
Tribal Land Code: Not Reported
Enforcement Action ID: 07-1984-0014

FRS ID: 07-1984-0014 FRS ID: 110009351968

Action Name: THE CHARTER COMPANY, ET AL.; I, (CHARTER V. THOMAS)

#### ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Facility Name: ELLISVILLE SITE Facility Address: NEAR ELLISVILLE

ELLISVILLE, MO 63011

Enforcement Action Type: Bankruptcy
Facility County: Not Reported

Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: BNK
Facility SIC Code: 4953

Federal Facility ID:

Latitude in Decimal Degrees:

Longitude in Decimal Degrees:

Permit Type Desc:

Program System Acronym:

Not Reported

Not Reported

44690

Facility NAICS Code: Not Reported
Tribal Land Code: Not Reported
Enforcement Action ID: 07-1983-0005

FRS ID: 110009351968

Action Name: BLISS, RUSSELL MARTIN, ET AL./HORSE ARENA

Facility Name: ELLISVILLE SITE
Facility Address: NEAR ELLISVILLE
ELLISVILLE, MO 63011

Enforcement Action Type: Civil Judicial Action Facility County: Not Reported

Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 4953

Federal Facility ID:

Latitude in Decimal Degrees:

Longitude in Decimal Degrees:

Program System Acronym:

Not Reported

90.61833

Not Reported

44690

Facility NAICS Code: Not Reported
Tribal Land Code: Not Reported
Enforcement Action ID: 07-1982-0015

Enforcement Action ID: 07-1982-0015
FRS ID: 110009351968

Action Name: BLISS-ELLISVILLE (CALLAHAN CLEANUP COMPLETE)

Facility Name: ELLISVILLE SITE
Facility Address: NEAR ELLISVILLE
ELLISVILLE, MO 63011

Enforcement Action Type: Civil Judicial Action Facility County: Not Reported

Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 4953

Federal Facility ID: Not Reported

#### ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Latitude in Decimal Degrees: 38.60333

Longitude in Decimal Degrees: -90.61833

Permit Type Desc: Not Reported

Program System Acronym: 44690

Facility NAICS Code: Not Reported
Tribal Land Code: Not Reported

Facility Name: ELLISVILLE SITE
Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE
Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE
Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE
Address: NEAR ELLISVILLE

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE
Address: NEAR ELLISVILLE

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE
Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE
Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

## ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE
Address: NEAR ELLISVILLE

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE
Address: NEAR ELLISVILLE

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE Address: NEAR ELLISVILLE

Tribal Indicator: N
Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE
Address: NEAR ELLISVILLE

#### ELLISVILLE SITE, NEAR ELLISVILLE, ELLISVILLE, MO 63011 (Continued)

Tribal Indicator: N Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

Facility Name: ELLISVILLE SITE
Address: NEAR ELLISVILLE

Tribal Indicator: N Fed Facility: No

NAIC Code: Not Reported

SIC Code: 4953

EATON ARENA 201 STRECKER R	D, BALLWIN, MO, 63011		1003876654
	NNW <1/10	(48 ft. / 0.009 mi.)	Federal CERCLIS NFRAP site list
<b>1</b>	9 ft. Higher Elevation	721 ft. Above Sea Level	

#### Worksheet:

#### **SEMS Archive: Federal CERCLIS NFRAP site list**

Site ID: 701393

EPA ID: MOD980854160

 Cong District:
 2

 FIPS Code:
 29189

 FF:
 N

NPL: Not on the NPL

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

#### **SEMS Archive Detail:**

Region: 7
Site ID: 701393

EPA ID: MOD980854160
Site Name: EATON ARENA

 NPL:
 N

 FF:
 N

 OU:
 0

Action Code: VS

Action Name: ARCH SITE

SEQ: 1

Start Date: Not Reported
Finish Date: 1983-12-01 00:00:00
Qual: Not Reported
Current Action Lead: EPA Perf In-Hse

Region: 7
Site ID: 701393

EPA ID: MOD980854160
Site Name: EATON ARENA

NPL: N

#### EATON ARENA, 201 STRECKER RD, BALLWIN, MO 63011 (Continued)

 FF:
 N

 OU:
 0

 Action Code:
 SI

 Action Name:
 SI

 SEQ:
 1

Start Date: 1983-04-01 00:00:00 Finish Date: 1983-12-01 00:00:00

Qual: N

Current Action Lead: EPA Perf

Region: 7
Site ID: 701393

EPA ID: MOD980854160
Site Name: EATON ARENA

 NPL:
 N

 FF:
 N

 OU:
 0

 Action Code:
 PA

 Action Name:
 PA

 SEQ:
 1

Start Date: 1983-02-01 00:00:00 Finish Date: 1983-02-01 00:00:00

Qual:

Current Action Lead: EPA Perf

Region: 7
Site ID: 701393

EPA ID: MOD980854160
Site Name: EATON ARENA

 NPL:
 N

 FF:
 N

 OU:
 0

 Action Code:
 DS

 Action Name:
 DISCVRY

SEQ:

 Start Date:
 1983-01-01 00:00:00

 Finish Date:
 1983-01-01 00:00:00

 Qual:
 Not Reported

 Current Action Lead:
 EPA Perf

MID AMERICA ARENA SUBSITE (ELLISVILLE) 146 STRECKER RD, BALLWIN, MO, 63011		1000101798	
	ENE <1/10	(463 ft. / 0.088 mi.)	Federal CERCLIS list
<b>^</b> 2	3 ft. Higher Elevation	715 ft. Above Sea Level	

#### Worksheet:

**SEMS: Federal CERCLIS list** 

## MID AMERICA ARENA SUBSITE (ELLISVILLE), 146 STRECKER RD, BALLWIN, MO 63011 (Continued)

Site ID: 701449

EPA ID: MOD980861934

Cong District:2FIPS Code:29189Latitude:Not ReportedLongitude:Not Reported

FF: N

NPL: Site is Part of NPL Site

Non NPL Status: Not Reported

#### **SEMS Detail:**

Region: 7
Site ID: 701449

EPA ID: MOD980861934

Site Name: MID AMERICA ARENA SUBSITE (ELLISVILLE)

 NPL:
 A

 FF:
 N

 OU:
 0

 Action Code:
 SI

 Action Name:
 SI

 SEQ:
 1

Start Date: 1987-07-20 00:00:00

Finish Date: 7/20/1987

Qual: A
Current Action Lead: EPA Perf

Region: 7
Site ID: 701449

EPA ID: MOD980861934

Site Name: MID AMERICA ARENA SUBSITE (ELLISVILLE)

 NPL:
 A

 FF:
 N

 OU:
 0

 Action Code:
 DS

 Action Name:
 DISCVRY

SEQ:

Start Date: 1982-03-01 00:00:00

Finish Date: 3/1/1982

Qual: Not Reported

Current Action Lead: EPA Perf

 Region:
 7

 Site ID:
 701449

 EPA ID:
 MOD980861934

Site Name: MID AMERICA ARENA SUBSITE (ELLISVILLE)

 NPL:
 A

 FF:
 N

 OU:
 0

 Action Code:
 PA

 Action Name:
 PA

 SEQ:
 1

#### MID AMERICA ARENA SUBSITE (ELLISVILLE), 146 STRECKER RD, BALLWIN, MO 63011 (Continued)

Start Date: 1987-07-20 00:00:00

Finish Date: 7/20/1987 Qual: **EPA Perf Current Action Lead:** 

ELLISVILLE-BLISS 149 STRECKER R	S OAD, ELLISVILLE, MO, (	63011-1905	S105364356
	NNE 1/10 - 1/3	(993 ft. / 0.188 mi.)	State- and tribal - equivalent CERCLIS  Other Ascertainable Records
♦ 3	70 ft. Lower Elevation	642 ft. Above Sea Level	- Cirio / Goordaniasio / Goorda

#### Worksheet:

#### Missouri Hazardous Waste: State- and tribal - equivalent CERCLIS

Category Name: Registry Sites

Category Desc: Sites in this category are currently listed on the Registry.

Site Class:

Owner Name: Jerry Russell Bliss and Russell Bliss

Owner Address: 149 Strecker Rd Ellisville, MO 63011 Owner City, St, Zip:

Action Date: 01/05/1984

 $1,1,1-Trichloroethane,\ 1,1,2-Trichloroethane,\ 1,1,2-Trichloroethane,\ 1,1-Dichloroethane,\ 1,1-Dichloroethane,\ 1,1-Dichloroethane,\ 1,2,3,4,6,7,8,9-OCDD,\ 1,2,3,4,6,7,8-HpCDD,\ 1,2,3,4,6,7,8-HpCDF,\ 1,2,3,4,7,8,9-HpCDF,\ 1,2,3,4,7,8,9-HpCDD,\ 1,2,3,4,7,8,9-Hp$ Contamination:

Class 3 Classification:

Date of Placement: January 3, 1984

Jerry Russell Bliss and Russell Bliss Present Property Owner:

**EPA** Lead Agency:

Facility Zip: Not Reported

Address Detail: St. Louis County, Missouri, Portions of SW 1/4, NW 1/4, Sec. 32, T.

45N, R. 4E, Manchester Quadrangle

Waste Type: 2,3,7,8-TCDD (dioxin), waste pigments, solvents, oils, and pesticides Quantity: EPA estimates at least 1,500 drums; 7,000 cubic yards of dioxin

contaminated soils; and 10,000 cubic yards of non-dioxin hazardous

waste materials and soils were once present at the site.

Site Description: This property consists of about 16.5 acres in western St. Louis

> County located on the north side of Strecker Road. The Bliss property and parts of several contiguous properties were addressed as the

entire "Bliss - Ellisville Site." The Bliss property is currently

used as a personal residence, a rental residence, and a commercial

horse boarding and arena operation. The site is located in an upland

wooded area and is surrounded by numerous new housing developments

with residences within 2,000 feet of formerly contaminated areas. A preschool and a home for the aged are located within 0.5 miles. Quail

Woods Park is also located nearby. During the 1960s and 1970s, Bliss

#### ELLISVILLE-BLISS, 149 STRECKER ROAD, ELLISVILLE, MO 63011-1905 (Continued)

Waste Oil Company operated this site. The business engaged in transportation, disposal and recycling of waste oil products, industrial wastes and chemicals. Investigations identified soil contamination resulting from the disposal of dioxincontaminated waste from the waste oil hauling business. Other hazardous wastes, such as solvents, pesticides and oils, were disposed in bulk quantities at the site. The site was added to the U.S. Environmental Protection Agency?s (EPA) NPL in 1983. In December 1998, Jerry Bliss purchased a 4.29 acre property owned by Martha Simmons that was also part of the Ellisville-Bliss Site and contiguous to Bliss? property.

Env Problems/Areas of Concern:

Groundwater is contaminated with volatile organic compounds (VOCs) from previous site operations. Continued monitoring is needed to make sure it?s not migrating off the Ellisville site. Sampling of the shallow groundwater as well as surface water has been completed and no VOCs were detected.

Remedial Action:

In June 1981, the Missouri Department of Natural Resources (the department) excavated exploratory trenches on the property to confirm the reported presence of hazardous material in drums and disposal pits. The department conducted a geophysical survey of the property in June 1982. A field RI, performed between December 1982 and February 1983, delineated the approximate boundaries of actual or suspected waste disposal locations. In February 1986, a FS was completed, evaluating various cleanup alternatives. A public comment period followed. In April 1986, the department erected 400 feet of fence to prevent access to the site from the newly-developed Quail Woods Park. A ROD for the management of the non-dioxin contaminated soils was signed in September 1986. The ROD proposed excavation and offsite disposal as the preferred remedy for the buried drums and buried waste. In December 1990, the Eastern District of the Federal District Court approved a Consent Decree signed by the EPA, Syntex Agribusiness Inc., the U.S. Justice Department, and the department for a mixedwork settlement that removed the dioxincontaminated material. Under the Consent Decree, contaminated material exceeding health-based levels was excavated and transported to Times Beach for thermal treatment. The site was then restored. Also during 1990, the EPA investigated this property and the contiguous properties and determined that 180,000 square feet were contaminated with dioxin. At the completion of the sampling, the site was surveyed and a six foot

#### ELLISVILLE-BLISS, 149 STRECKER ROAD, ELLISVILLE, MO 63011-1905 (Continued)

high, chain-link fence with three barbed wire strands on top was constructed around the perimeter to control access. In July 1991, the EPA completed a FS evaluating several remedial alternatives for the final management of the dioxincontaminated soils. The EPA's preferred remedy included excavation and transportation to Times Beach for thermal destruction. In July 1992, the EPA developed a plan to monitor groundwater at this site. In November 1993, the EPA collected surface soil samples downgradient of the site within the Turnberry Place Subdivision. This sampling was performed to determine if recent flooding had caused any migration of dioxincontaminated materials off site. No dioxin was detected in any of these samples. The site cleanup by the EPA took place between February 7 and August 26, 1996. The dioxin-contaminated materials were removed to a 1 part per billion (ppb) equivalent level. About 24,707 tons of dioxincontaminated waste was excavated and delivered to the Times Beach Thermal Treatment Facility. About 576 tons of dioxincontaminated soil, mixed with paint wastes (and 210 drums containing same), were excavated and delivered to the APTUS incinerator in Coffeyville, Kansas. Eighty-one drums of waste not contaminated with dioxin were sent to Environmental Services of America in Scott City. Forty-nine drums containing listed hazardous wastes D001, D005, D007, D008, D019, D035, and D040, as well as 169 tons of paint wastecontaminated soil, were delivered to Rollins Environmental Services in Deer Park, Texas. Also, 581 tons of paint waste-contaminated soil was delivered to Liquid Waste Disposal in Calvert City, Kentucky. Groundwater monitoring wells were installed by the EPA in the fall of 1997. Two wells were placed downgradient and one upgradient. These wells were installed to determine if any of the contaminants migrated into the local groundwater. The wells were sampled on a regular basis starting in 1998 up until 2006. A spring, located about 2.5 miles from the site, was also sampled to determine if any possible contamination migrated from the site. In June 2006, EPA presented a summary report of all the groundwater data that had been collected at the site since 1998. Sampling indicates there is significant VOCs contamination of the groundwater and that the levels in the groundwater have been increasing over time. Groundwater samples at MW3 have contamination at levels of concern. Many of the

#### ELLISVILLE-BLISS, 149 STRECKER ROAD, ELLISVILLE, MO 63011-1905 (Continued)

contaminants are present at orders of magnitude above safe health limits. In September 2006 the state conducted a round of groundwater sampling at the site. The levels of contamination were consistent with the trends noted in the EPA data. In 2007, a developer bought the Primm property located west of the Bliss property. He had planned to build a new subdivision on the property. Local residents and activists opposed development on the property due to possible contaminants missed during EPA clean-up activities and migration of contamination from the Bliss property. The citizens? concerns led to a moratorium on construction on all properties associated with the Bliss site in the City of Wildwood. Due to the environmental issues surrounding the property, the developer entered the property into the Superfund Cooperative Program, hoping to relieve concerns over encounters with any potential residual or missed contamination that may be encountered during construction. Local residents and activists remained adamant in the opposition to future development. To satisfy the opposition, the City of Wildwood hired an outside consultant to investigate the Primm property. On May 8, 2008, representatives of the department, along with staff from the Department of Health and Senior Services and EPA attended the Wildwood City Council meeting. The meeting was held to allow the consultant, hired by the City of Wildwood, to present their findings and recommendations related to the Primm property. The conclusions reached by Wildwood?s consultant, along with the concerns of local citizens and city council members. resulted in the council?s approving further investigation of the Primm property. The work on the Primm property will likely be completed before the department can move forward with the proposed work on the Bliss property. Sampling was conducted in September 2008, by the department. The purpose of the sampling was to investigate the overburden soils to look for source material that could be contributing to the groundwater contamination beneath the Bliss property and decide if further investigation or action is warranted. Samples were taken from soil, surface water, and shallow groundwater when encountered. All samples were analyzed for volatiles and semi volatiles organics, metals, and base neutral acids. Three samples were additionally analyzed for dioxins and furans. The investigation did not disclose any potential source areas that could account for

#### ELLISVILLE-BLISS, 149 STRECKER ROAD, ELLISVILLE, MO 63011-1905 (Continued)

the groundwater contamination. In the summer of 2009, the project manager informed the Wildwood City Council that a MW-3 was showing elevated levels of VOCs. Due to the manner of waste disposal and the amounts of contaminants released during the operation of the Bliss Waste Oil facility, it is believed that the contaminants have saturated the bedrock matrix beneath the site and that the contaminated matrix continues to act as a source for groundwater contamination. The Department of Health reviewed the sampling data and had concerns over harmful vapors that could intrude into nearby homes. In Nov of 2009 the department installed additional wells as part of a subsurface investigation on the site and conducted soil boring to test for vapor intrusion. Sampling events are being conducted quarterly for the next two years. The preliminary results of the investigation indicate there are no conditions present that cause a risk to human health. The investigation of groundwater contamination continues. No conclusions have been reached. Data collection will continue.

General Geologic/Hydrologic Setting:

The site is located in an upland, wooded area with steep hillslopes descending to a lowlying, intermittent tributary of Caulks Creek. The upland soils are composed of silty clay loess overlying cherty residuum derived from the weathering of bedrock. The loess is up to 10 feet thick and has moderate to low permeability. The residuum is moderately to highly permeable. Soil material along the valley, near the horse arena, is composed of gray, silty clay and clayey silt. Bedrock at the site consists of the Mississippian-age Burlington Limestone Formation. This formation contains solutionenlarged openings which provide avenues of rapid fluid transport to groundwater. Under normal flow conditions, the surface drainage upstream of the former dump site area is gaining; that is, water flowing on the surface tends to remain on the surface. This is due to the presence of the relatively lowpermeability loess soil which underlies that portion of the property. However, in the vicinity of the former dump site where the loess is absent, surface water is lost to the subsurface via the relatively high-permeability cherty residuum and weathered bedrock present beneath that portion of the site. Water tracing studies conducted in 1992, and 1997, indicate that water flowing into the subsurface in the vicinity of the former dump site is discharged at Lewis Spring, which is located along

#### ELLISVILLE-BLISS, 149 STRECKER ROAD, ELLISVILLE, MO 63011-1905 (Continued)

Caulks Creek downstream of the site. During high surface flow conditions, such as that immediately following heavy precipitation events, some flow remains in the surface stream throughout its extent on site and further downstream. Due to the presence of losing stream conditions immediately downgradient of the former dump site, groundwater quality may be adversely impacted. Private wells open to the shallow aquifer could possibly be affected. However, subsurface flow from the losing stream segment probably is channelized sufficiently to prevent widespread contamination of groundwater.

Public Drinking Water Advisory:

The nearest public well is 2 miles southwest of the site. No public wells are currently affected by this site. However, the local groundwater is potable and new wells are commonly being constructed in this area to support local development.

Health Assessment:

The dioxin-contaminated soil, the buried drums, and associated soil contamination have all been removed from the site. The site remains fenced and has warning signs posted. However, groundwater is contaminated with VOCs; therefore, the route of potential exposure that remains is through groundwater. To determine if contaminants have migrated from the site, EPA and the department continue to investigate and monitor the groundwater. The Missouri Department of Health and Senior Services (DHSS) has sampled private wells down gradient from the site since 1984. To date, DHSS has not found any private wells contaminated with siterelated volatile organic compounds. Although no direct exposure to the contaminated groundwater has been identified, there is a potential for vapor intrusion to occur. In 2009, DHSS screened on-site groundwater data for potential vapor intrusion risk. Some of the VOCs detected on site were above the screening criteria; therefore, DHSS recommended further site characterization to evaluate the vapor intrusion pathway. DHSS specifically recommended sampling near the property boundary to evaluate potential offsite risk for vapor intrusion. The department has conducted several rounds of soil gas sampling near the property boundary in the past few years. Preliminary evaluation of this data does not show any VOCs in soil gas above screening levels; however, additional investigation may be warranted to fully evaluate the vapor intrusion pathway. To address concerns regarding the proposed development of the Primm property, located west of the Bliss property, the City of Wildwood commissioned a Phase II Environmental

#### ELLISVILLE-BLISS, 149 STRECKER ROAD, ELLISVILLE, MO 63011-1905 (Continued)

Site Assessment (ESA) for the Strecker Forest Development Site. The City subsequently commissioned a Human Health Risk Assessment (HHRA), largely based on the ESA report. The EPA then conducted an Expanded Site Review (ESR) for the Strecker Forest Development site. The purpose of the ESR was to build upon previous studies to establish a data set that would support a more comprehensive assessment of human health risks for short term trespassers and for proposed residential land use at Strecker Forest and to characterize the potential for impacts to existing properties/residents in nearby areas. The ESR report dated June 13, 2011, recommended that conditions throughout the portion of the Strecker Forest parcel proposed for housing construction are generally considered protective for residential development and use. Further assessment of this portion of the parcel would be limited to additional characterization of the isolated dioxin TEQ level identified in DU 19 to provide information regarding a possible source and help determine the need for mitigation prior to development. The reports also called for further assessment of potential risks at the Strecker Forest property, focusing on conditions in the northeast portion of the parcel, and evaluate potential risks from complete exposure pathways based on current and potential future land use. Following these recommendations, the EPA in their Memorandum on Preliminary Remediation Goals (PRGs) for dioxin in Surface Soil for the Proposed Strecker Forest Development dated July 29, 2013 derived a site-specific PRG of 820 parts per trillion (ppt) as protective of a youth trespasser, based on cancer and non-cancer health effects. DHSS understands this PRG to be site-specific and with the presumption that land use controls will be established restricting future development and/or residential use for this portion of the site, and that the PRG is specific to a recreational or trespasser setting. Other scenarios or settings would need to be considered on their own merit. EPA has completed soil removal to meet the PRG for that portion of the property.

#### **SMARS: Other Ascertainable Records**

SM Number: 10176

CERCLIS: MOD980633010
Ownership: Superfund
Superfund Ownership: True
Voluntary Cleanup Ownership: False

#### ELLISVILLE-BLISS, 149 STRECKER ROAD, ELLISVILLE, MO 63011-1905 (Continued)

Federal Facilities Ownership: False
Permits Ownership: False
NPL Date: 09/08/1983
Tank Site Identification #: Not Reported
Tank Remediation #: Not Reported

Registry: True
Site Code: 3548
Other Site Code: 0708

SM Number: 10117

CERCLIS: MOD980633010
Ownership: Superfund
Superfund Ownership: True
Voluntary Cleanup Ownership: False
Federal Facilities Ownership: False
Permits Ownership: False
NPL Date: Not Reported

NPL Date: Not Reported
Tank Site Identification #: Not Reported
Tank Remediation #: Not Reported
Registry: False

Registry: False
Site Code: 3549
Other Site Code: 0708

H BAR 7 RANCH 48 STRECKER RD	, ELLISVILLE, MO, 63011		1003876597
	SSE 1/10 - 1/3	(1536 ft. / 0.291 mi.)	Federal CERCLIS NFRAP site list
<b>4</b>	17 ft. Higher Elevation	729 ft. Above Sea Level	

#### Worksheet:

#### SEMS Archive: Federal CERCLIS NFRAP site list

Site ID: 701312

EPA ID: MOD980687867

 Cong District:
 2

 FIPS Code:
 29189

 FF:
 N

NPL: Not on the NPL

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

#### **SEMS Archive Detail:**

Region: 7
Site ID: 701312

EPA ID: MOD980687867

Site Name: H BAR 7 RANCH

 NPL:
 N

 FF:
 N

 OU:
 0

 Action Code:
 VS

#### H BAR 7 RANCH, 48 STRECKER RD, ELLISVILLE, MO 63011 (Continued)

Action Name: ARCH SITE

SEQ:

Start Date: Not Reported
Finish Date: 1983-01-01 00:00:00
Qual: Not Reported
Current Action Lead: EPA Perf In-Hse

Region: 7
Site ID: 701312

EPA ID: MOD980687867
Site Name: H BAR 7 RANCH

 NPL:
 N

 FF:
 N

 OU:
 0

 Action Code:
 PA

 Action Name:
 PA

 SEQ:
 1

Start Date: 1983-01-01 00:00:00 Finish Date: 1983-01-01 00:00:00

Qual: N
Current Action Lead: EPA Perf

Region: 7

Site ID: 701312

EPA ID: MOD980687867
Site Name: H BAR 7 RANCH

 NPL:
 N

 FF:
 N

 OU:
 0

 Action Code:
 DS

 Action Name:
 DISCVRY

SEQ: 1

 Start Date:
 1982-11-01 00:00:00

 Finish Date:
 1982-11-01 00:00:00

 Qual:
 Not Reported

 Current Action Lead:
 EPA Perf

St Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS					
Federal NPL site list US NPL US Proposed NPL US NPL LIENS	National Priority List Proposed National Priority List Sites Federal Superfund Liens	EPA EPA EPA	08/13/2018 08/13/2018 10/15/1991	10/04/2018 10/04/2018 02/02/1994	11/09/2018 11/09/2018 03/30/1994
Federal CERCLIS list US SEMS	Superfund Enterprise Management System	EPA	08/13/2018	10/04/2018	11/16/2018
Federal RCRA CORRACTS facilities I US CORRACTS	list Corrective Action Report	EPA	03/01/2018	03/28/2018	06/22/2018
Federal RCRA TSD facilities list US RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
Federal RCRA generators list US RCRA-LQG US RCRA-SQG US RCRA-CESQG	RCRA - Large Quantity Generators RCRA - Small Quantity Generators RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency Environmental Protection Agency Environmental Protection Agency	03/01/2018 03/01/2018 03/01/2018	03/28/2018 03/28/2018 03/28/2018	06/22/2018 06/22/2018 06/22/2018
Federal institutional controls / engine US LUCIS US US ENG CONTROLS US US INST CONTROL	Land Use Control Information System Engineering Controls Sites List Sites with Institutional Controls	Department of the Navy Environmental Protection Agency Environmental Protection Agency	05/14/2018 07/31/2018 07/31/2018	05/18/2018 08/28/2018 08/28/2018	07/20/2018 09/14/2018 09/14/2018
Federal ERNS list US ERNS	Emergency Response Notification System	National Response Center, United States Coast	09/24/2018	09/25/2018	11/09/2018
State and tribal - equivalent CERCLIS MO SHWS MO HWS DETAIL	Registry of Confirmed Abandoned or Uncontrolled Hazardous Wa Registry Annual Report	Department of Natural Resources Department of Natural Resources	07/02/2018 06/30/2017	09/11/2018 03/01/2018	10/15/2018 03/09/2018
State and tribal landfill / solid waste of MO SWF/LF	disposal Solid Waste Facility List	Department of Natural Resources	05/15/2018	07/03/2018	08/06/2018
State and tribal leaking storage tank MO LUST MO LAST US INDIAN LUST R5 US INDIAN LUST R10 US INDIAN LUST R9 US INDIAN LUST R8 US INDIAN LUST R7 US INDIAN LUST R7 US INDIAN LUST R6 US INDIAN LUST R4	Leaking Underground Storage Tanks Leaking Aboveground Storage Tanks Leaking Underground Storage Tanks on Indian Land	Department of Natural Resources Department of Natural Resources EPA, Region 5 EPA Region 10 Environmental Protection Agency EPA Region 8 EPA Region 7 EPA Region 6 EPA Region 4	08/21/2018 08/21/2018 04/12/2018 04/12/2018 04/10/2018 04/25/2018 04/24/2018 04/01/2018 05/08/2018	09/12/2018 09/12/2018 05/18/2018 05/18/2018 05/18/2018 05/18/2018 05/18/2018 05/18/2018 05/18/2018	10/15/2018 10/15/2018 07/20/2018 07/20/2018 07/20/2018 07/20/2018 07/20/2018 07/20/2018 07/20/2018

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/13/2018	05/18/2018	07/20/2018
			•			
Stat	e and tribal registered storage tan					
MO	UST	Petroleum Storage Tanks	Department of Natural Resources	08/21/2018	09/12/2018	10/15/2018
MO	AST	Aboveground Petroleum Storage Tanks	Department of Agriculture	08/01/2018	08/02/2018	09/27/2018
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/25/2018	05/18/2018	07/20/2018
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/13/2018	05/18/2018	07/20/2018
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/12/2018	05/18/2018	07/20/2018
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/24/2018	05/18/2018	07/20/2018
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/08/2018	05/18/2018	07/20/2018
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/12/2018	05/18/2018	07/20/2018
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/10/2018	05/18/2018	07/20/2018
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/01/2018	05/18/2018	07/20/2018
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017
	e and tribal institutional control / e					
MO	AUL	Sites with Controls	Department of Natural Resources	07/30/2018	08/10/2018	09/14/2018
04-4						
	e and tribal voluntary cleanup site		EDA Decies 7	02/00/0000	0.4/0.0/0.000	05/40/0000
	INDIAN VCP R7	Voluntary Cleanup Priority Lisiting	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
-	VCP	Sites Participating in the Voluntary Cleanup Program	Department of Natural Resources	07/30/2018	08/10/2018	09/14/2018
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
Stat	e and tribal Brownfields sites					
	BROWNFIELDS	Brownfields Site List	Department of Natural Resources	07/30/2018	08/10/2018	09/14/2018
			.,			
Oth	er Records					
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2018	07/17/2018	10/05/2018
US	ROD	Records Of Decision	EPA	08/13/2018	10/04/2018	11/16/2018
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	08/13/2018	10/04/2018	11/16/2018
MO	DEL SHWS	Registry Sites Withdrawn or Deleted	Department of Natural Resources	07/02/2018	09/11/2018	10/15/2018
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
MO	SWRCY	Solid Waste Recycling Facilities	Department of Natural Resources	10/30/2018	11/01/2018	11/20/2018
MO	HIST LF	Solid Waste Facility Database List	Department of Natural Resources	04/12/2005	07/19/2006	08/18/2006
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	08/13/2018	10/04/2018	11/16/2018
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	08/31/2018	09/25/2018	11/09/2018
	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	09/21/2018	09/21/2018	11/09/2018
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
		•				

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	Delisted NPL	National Priority List Deletions	EPA	08/13/2018	10/04/2018	11/09/2018
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	08/13/2018	10/04/2018	11/16/2018
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/01/2018	03/28/2018	06/22/2018
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/26/2018	03/27/2018	06/08/2018
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	09/21/2018	09/21/2018	11/09/2018
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	09/18/2018	09/18/2018	11/09/2018
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/01/2018	08/29/2018	10/05/2018
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	08/13/2018	10/04/2018	
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016		01/12/2018
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016		
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016		02/20/2017
US	PADS	PCB Activity Database System	EPA	06/01/2017		10/13/2017
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	
US	RADINFO	Radiation Information Database	Environmental Protection Agency	10/02/2018	10/03/2018	
US	FINDS	Facility Index System/Facility Registry System	EPA	08/07/2018		
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	08/01/2018	08/22/2018	10/05/2018
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013		10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014		
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998		01/24/2008
MO		·	Department of Natural Resources	05/14/2018		06/25/2018
MO		Permit Facility Listing Asbestos Notification Listing	Department of Natural Resources  Department of Natural Resources	10/04/2018		11/01/2018
MO		· · · · · · · · · · · · · · · · · · ·	•	09/06/2018		10/15/2018
MO		Environmental Emergency Response System	Department of Natural Resources			03/22/2018
_		Coal Ash Disposal Sites	Department of Natural Resources	01/03/2018		
	DRYCLEANERS	Drycleaners in Missouri Listing	Department of Natural Resources	11/30/2017		
MO	Financial Assurance 1	Financial Assurance Information Listing	Department of Natural Resources	08/30/2018		09/14/2018
MO		Financial Assurance Information Listing	Department of Natural Resources	07/12/2017		
MO	_	Industrial Mineral Mines Database	Department of Natural Resources	03/15/2018	07/20/2018	09/05/2018
	NPDES	Permitted Facility Listing	Department of Natural Resources	10/18/2018	10/19/2018	
_	RRC	Certified Hazardous Waste Resource Recovery Facilities	Department of Natural Resources	09/10/2018	09/11/2018	10/15/2018
_	SMARS	Site Management and Reporting System	Department of Natural Resources	10/09/2018	10/31/2018	
	SPILLS	Environmental Response Tracking Database	Department of Natural Resources	09/06/2018	09/12/2018	10/15/2018
MO	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/27/2012	01/03/2013	02/22/2013

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
MO	UIC	Underground Injection Wells Database	Department of Natural Resources	08/15/2018	08/24/2018	09/14/2018
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/30/2017	06/19/2018	09/14/2018
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	09/02/2018	09/05/2018	09/14/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/10/2018	09/11/2018	09/14/2018
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/22/2018	08/22/2018	10/05/2018
HIS.	TORICAL USE RECORDS					
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
MO	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Natural Resources		07/01/2013	01/03/2014
MO	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Natural Resources		07/01/2013	01/15/2014
MO	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Natural Resources		07/01/2013	01/03/2014

#### STREET AND ADDRESS INFORMATION

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# APPENDIX G HISTORICAL USE DOCUMENTATION

# APPENDIX G-1 HISTORICAL PROPERTY OWNERSHIP

# **Property Detail Report**

## For Property Located At:

210 STRECKER RD, BALLWIN, MO 63011



**Owner Information** CALLAHAN JEAN E (TE) Owner Name: 162 STRECKER RD, WILDWOOD MO 63011-1906 R096 Mailing Address: Vesting Codes: **Location Information** LOC AT NE CORNER OF E 1/2 OF SE 1/4 OF SEC 12 14 81 Legal Description: ST LOUIS, MO 22U-22-0242 County: APN: 2216.24 / 2 Census Tract / Block: Alternate APN: Township-Range-Sect: 45-04-31 Subdivision: 13-1264 Legal Book/Page: 31-HH24 / 22U Map Reference: Legal Lot: Tract #: Legal Block: School District: 31 HH24 ROCKWOOD Market Area: School District Name: CY9 WILDWOOD Neighbor Code: Munic/Township: **Owner Transfer Information** Recording/Sale Date: Deed Type: Sale Price: 1st Mtg Document #: Document #: **Last Market Sale Information** 11/20/1996 / Recording/Sale Date: 1st Mtg Amount/Type: Sale Price: 1st Mtg Int. Rate/Type: Sale Type: 1st Mtg Document #: 11006-161 Document #: 2nd Mtg Amount/Type: Deed Type: **QUIT CLAIM DEED** 2nd Mtg Int. Rate/Type: Price Per SqFt: Transfer Document #: Multi/Split Sale: New Construction: Title Company: Lender: Seller Name: **Prior Sale Information** 09/06/1996 / Prior Rec/Sale Date: Prior Lender: Prior Sale Price: Prior 1st Mtg Amt/Type: 10939-1640 Prior Doc Number: Prior 1st Mtg Rate/Type: QUIT CLAIM DEED Prior Deed Type: **Property Characteristics** Year Built / Eff: Total Rooms/Offices Garage Area: Gross Area: Total Restrooms: Garage Capacity: Building Area: Roof Type: Parking Spaces: Roof Material: Tot Adj Area: Heat Type: Above Grade: Construction: Air Cond: # of Stories: Foundation: Pool: Other Improvements: Exterior wall: Quality: Basement Area: Condition: Site Information NU 7.51 AGRIC/FARM RELATED Zoning: Acres: County Use: ACTIVITY (819A) 327,136 Lot Width/Depth: x 611 Lot Area: State Use: PUBLIC **FARMS** Land Use: Commercial Units: Water Type: SEPTIC TANK Site Influence: Sewer Type: **Building Class: Tax Information** \$22,600 2018 Property Tax: \$217.50 Total Value: Assessed Year: \$4.800 Land Value: Improved %: 79% Tax Area: WE Improvement Value: \$17,800 Tax Exemption: Tax Year: 2017

## **Transaction History Report**

For Property Located At

Total Taxable Value: \$2,720



210 STRECKER RD, BALLWIN, MO 63011

	TRANSACT	ION HISTORY	
History Record #:		1	
	_	ale:	
Sale Recording Date:	11/20/1996	Sale Price:	
Sale Date:		Sale Price Type:	
Rec. Document #:	11006-161	Multi/Split Sale:	
Document Type:	QUIT CLAIM DEED	Other Document #:	
Title Company:			
Buyer:	CALLAHAN JEAN E TRUSTE	<b>=</b>	
Seller:			
History Record #:		2	
	•	ale:	
Sale Recording Date:	09/06/1996	Sale Price:	
Sale Date:		Sale Price Type:	
Rec. Document #:	10939-1640	Multi/Split Sale:	
Document Type:	QUIT CLAIM DEED	Other Document #:	
Title Company:			
Buyer:	CALLAHAN JEAN ELLEN		
Seller:			
History Record #:		3	
		ale:	
Sale Recording Date:	09/24/1980	Sale Price:	
Sale Date:	09/1996	Sale Price Type:	
Rec. Document #:	7279-344	Multi/Split Sale:	
Document Type:	DEED (REG)	Other Document #:	
Title Company:			
Buyer:	CALLAHAN JEAN ELLEN		
Seller:			

# Voluntary & Involuntary Lien



Owner: CALLAHAN JEAN E (TE)

# 210 STRECKER RD, BALLWIN, MO, 63011-0 County: ST. LOUIS COUNTY, MO APN: 22U-22-0242

Block/Lot: -- / -- Township/Range/Section: 45 / 04 / 31

		Owne	r			Legal Des	cription	
As of Date: 12/05/2018 10:08 PST Owner: CALLAHAN JEAN E (TE)			Ves	sting: //TRUSTE	ĒΕ	E LOC AT NE CORNER SE 1/4 OF SEC		
			De	eed				
	Sale Date: Doc#: 11006-161  Recording Date: 11/20/1996 Deed Type: QUIT CLAIM DEED			D				
			Та	ax Information				
				— Assessor —				
	Tax Yea	r: <b>2017</b>	Total	Taxable Value: \$2	2,720	Total Value:	\$22,600	
	Assessed \	/ear: <b>2018</b>	Improvement Value: \$17,800		7,800	Exemptions:	1111	
	Property Ta	ax: <b>\$217.5</b>	L	and Value: <b>\$4,800</b>	)			
	Property Transactions							
— Summary of Transactions —								
	Date	Doc Type	Doc#	Seller		Lien Holder	Orig Doc#	
1	11/20/1996	QUIT CLAIM DEED	11006-161					

Assignment

LEGEND:

Release

#### - Transaction Details -

#### 1 Sale

Sale Recording Date: 11/20/1996

Sale Date: -Rec Document #: 11006-161

Sale Price: --Sale Price Type: --Multi/Split Sale: --

Vesting - Ownership Rights: --

Document Type: QUIT CLAIM DEED
Buyer 1: CALLAHAN JEAN E TRUSTEE

Buyer 2: --

Buyer Vesting & Relationship Type: --

Seller: --Title Company: --

#### **Personal Liens**

No personal liens found.

#### **Recording Information for County of Subject Search**

	Sales	Mortgages	Assignments	Releases	Foreclosures	Lien/Judgments	Bankruptcy
History Start Date	01/01/1989	10/01/1995	01/02/2004	01/02/2004	10/01/1995	04/10/2006	01/01/2003
Rec. Thru. Date	11/20/2018	11/20/2018	11/20/2018	11/20/2018	11/19/2018	11/19/2018	11/29/2018

LIABILITY DISCLAIMER: INFORMATION AND DATA PROVIDED DOES NOT CONSTITUTE A TITLE INSURANCE POLICY, TITLE COMMITMENT AND/OR GUARANTEED CONDITION OF TITLE. WE DO NOT PROVIDE LEGAL ADVICE, BUT CAN PROVIDE YOU WITH REFERRALS TO ATTORNEYS IN YOUR AREA. RECORDS AND DATA ARE PULLED AT COUNTY LEVEL. RECORD UPDATES AND ACCURACY ARE STRICTLY DICTATED PER COUNTY AS EACH COUNTY ENTERS DATA AND UPDATES ITS DIGITIZED PROPERTY RECORDS AND TITLE INFORMATION. RECORDS ARE UPDATED PER COUNTY AT PREDETERMINED SCHEDULES. ONLINE TRANSACTION AND TRANSFER HISTORY RECORDS ARE 10 TO 25 YEAR TITLE HISTORY DEPENDING ON THE COUNTY. RECORDS FILED PRIOR TO THE INDEXED DATABASE WILL BE ON FILE IN MICROFILM OR MICROFICHE AND CAN BE OBTAINED THROUGH OUR ABSTRACTOR SERVICE (SEE PROPERTY RECORDS PAGE FOR RETRIEVAL). U.S. TITLE RECORDS SHALL NOT BE HELD LIABLE FOR ANY LOSSES CAUSED BY RELIANCE ON THE ACCURACY, RELIABILITY OR TIMELINESS OF SUCH INFORMATION. U.S. TITLE RECORDS SHALL NOT BE LIABLEFOR SPECIAL, INDIRECT, CONSEQUENTIAL AND/OR INCIDENTAL DAMAGES, OR DAMAGES FOR LOST PROFITS, LOSS OF REVENUE, OR LOSS OF USE, ARISING OUT OF OR RELATED TO THE COUNTY INFORMATION FROM THIS WEBSITE OR THE INFORMATION CONTAINED IN IT, WHETHER SUCH DAMAGES ARISE IN CONTRACT, NEGLIGENCE, TORT, UNDER STATUTE, IN EQUITY, AT LAW OR OTHERWISE. ALL ATTEMPTS ARE MADE TO ENSURE THE ACCURACY AND COMPLETENESS OF THE DATA PROVIDED BY THIS WEBSITE..

B-11006 P-0161/0163





## DANIEL T. O'LEARY RECORDER OF DEEDS ST. LOUIS COUNTY MISSOURI 41 SOUTH CENTRAL CLAYTON, MO 63105

INSTRUMENT QCD	GRANTOR CALLAHAN JEAN E	TO CALLAHAN	GRANTEE JEAN E TR ETAL
PROPERTY DESCRIPTIO	N: SEC 31 T 45 R 4		
Lien Number	Notation	Document Number 127	Locator
STATE OF N	MISSOURI ) SS.		
COUNTY OF	ST. LOUIS)		
nstrument of writing, we have a strument of writing and the writing are writing and the writing and the writing and the writing are writing and the writing and the writing are writing and the writing and the writing are writing and the writing are writing and the writing and the writing are writing and the w	e top and/or bottom of this page.	ons page inclusive), was filed on the control of th	ecorded in the book and
In witness when	eof I have hereunto set my hand and	l official seal the day, mon	th and year aforesaid.
S THE RECORDED OF THE PROGRAMMENT OF THE PROGRAMMEN	DEEDS FOR SOLID OUN'S COUNTY OF THE PROPERTY O	Recorder of St. Louis County  Outle  Deputy Records	, Missouri
135	0000000	RECORDING FEE	\$21.00
		(Paid at the time o	f Recording)
N.P. N.P.C N.N.C N.N.I.	•		
Mail to:			



#### OUIT CLAIM DEED

THIS DEED,	made	and	entered	into	this	12=	day	of
October			, 1996, <sup>1</sup>	by and	d betw	veen		

JEAN E. CALLAHAN, a single woman, of the County of St. Louis, State of Missouri, party of the first part, and

JEAN E. CALLAHAN, as Trustee of THE JEAN E. CALLAHAN REVOCABLE TRUST under Declaration of Trust dated 2/26/96, and her successor(s) in trust, with full and absolute power to transfer title hereafter to any party whomsoever, including First Party. 210 Strecker Rd. Ballwin, MO 63011,

of the County of St. Louis, State of Missouri, party of the second part.

WITNESSETH, that said party of the first part, for and in consideration of the sum of One Dollar and other valuable considerations paid by the said party of the second part, the receipt of which is hereby acknowledged, does by these presents REMISE, RELEASE AND FOREVER QUIT CLAIM unto the said party of the second part, the following described Real Estate situated in the County of St. Louis and State of Missouri, to-wit:

The North 20 acres of the East 1/2 of the Southeast 1/4 of Section 31, Township 45 North, Range 4 East in St. Louis County, Missouri, containing 20.002 acres, according to survey thereof executed by Elbring Surveying Company in October 1955, together with all improvements thereon, less and excluding therefrom a parcel of land described as follows: Beginning at an old stone at the northwest corner of said East 1/2 of the Southeast 1/4 of Section 31; thence eastwardly along the north line of said East 1/2, South 89 degrees 57 minutes 42 seconds East 800.46 feet to a point; thence South 0 degrees 02 minutes 18 seconds West 652.04 feet to a point in the north line of "J.M.G. Acres" a subdivision according to the plat thereof recorded in plat book 143 page 70 of the St. Louis County Records; thence westwardly along said north line North 89 degrees 57 minutes 00 seconds West 806.94 feet to an old stone at the northwest

corner of said J.M.G. Acres; thence northwardly along the west line of the aforementioned East 1/2 of the Southeast 1/4 of Section 31, North 0 degrees 36 minutes 27 seconds East 651.91 feet to the point of beginning.

Together with all improvements thereon.

appurtenances to the same belonging, unto the said party of the second part, and to the successors and assigns of such party forever. So that neither the said party of the first part, nor her successors, nor any other person or persons for her or in her name or behalf, shall or will hereafter claim or demand any right or title to the aforesaid Real Estate, or any part thereof, but she and every one of them shall, by these presents, be excluded and forever barred.

IN WITNESS WHEREOF, the said party of the first part has hereunto set her hand the day and year first above written.

JEAN E. CALLAHAN

STATE OF MISSOURI

SS.

COUNTY OF ST. LOUIS )

on this day of day of the personally appeared JEAN E. CALLAHAN, a single woman, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed, and she further declared herself to be single and unmarried.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day and year first above written.

Notary Public

COMMISSION EXPIRES:

Richard S. Snyder, Notary Public St. Louis County, State of Missouri My Commission Expires 12/18/99 97





# DANIEL T. O'LEARY RECORDER OF DEEDS ST. LOUIS COUNTY MISSOURI 41 SOUTH CENTRAL CLAYTON, MO 63105

# RECORDER OF DEEDS DOCUMENT IDENTIFICATION & CERTIFICATION SHEET

TYPE OF INSTRUMENT <b>QCD</b>	GRANTOR CALLAHAN GROVER	TO CALLAHAN	GRANTEE JEAN E
PROPERTY DESCRIPTION	ON: SEC 31 T 45 R 4		
Lien Number	Notation	Document Number 45	Locator
STATE OF M	SS.		
COUNTY OF	FST. LOUIS)		
instrument of writing, wo		(this page inclusive), was file	the following and annexed d for record in my office recorded in the book and
In witness when	reof I have hereunto set my hand a	nd official seal the day, mos	th and year aforesaid.
OF THE RECORDS	DEEDS FOR SALOUNS COUNT	Recorder of St. Louis County  Deputy Rec  RECORDING FEE	order \$21.00
N.P.   N.P.C   N.N.C   N.N.I.   Mail to:   R(CHAR)			
ST. Louis	Mo, b3 loz	B-1093	9 P-1640/164

γ ....

#### **OUIT CLAIM DEED**

THIS DEED	, made	and	entered	into	this	5 th	day	of
September			, 1996, l	oy and	l betv	veen		

GROVER CALLAHAN, a single man,

of the County of St. Louis, State of Missouri, party of the first part, and

JEAN ELLEN CALLAHAN, a single woman, 162 Strecker Rd. Ballwin, MO 63011,

of the County of St. Louis, State of Missouri, party of the second part.

WITNESSETH, that said party of the first part, for and in consideration of the sum of One Dollar and other valuable considerations paid by the said party of the second part, the receipt of which is hereby acknowledged, does by these presents REMISE, RELEASE AND FOREVER QUIT CLAIM unto the said party of the second part, the following described Real Estate situated in the County of St. Louis and State of Missouri, to-wit:

The North 20 acres of the East 1/2 of the Southeast 1/4 of Section 31, Township 45 North, Range 4 East in St. Louis County, Missouri, containing 20.002 acres, according to survey thereof executed by Elbring Surveying Company in October 1955, together with all improvements thereon, less and excluding therefrom a parcel of land described as follows: Beginning at an old stone at the northwest corner of said East 1/2 of the Southeast 1/4 of Section 31; thence eastwardly along the north line of said East 1/2, South 89 degrees 57 minutes 42 seconds East 800.46 feet to a point; thence South 0 degrees 02 minutes 18 seconds West 652.04 feet to a point in the north line of "J.M.G. Acres" a subdivision according to the plat thereof recorded in plat book 143 page 70 of the St. Louis County Records; thence westwardly along said north line North 89 degrees 57 minutes 00 seconds West 806.94 feet to an old stone at the northwest corner of said J.M.G. Acres; thence northwardly along the west line of the aforementioned East 1/2 of the Southeast 1/4 of Section 31, North 0 degrees 36 minutes 27 seconds East 651.91 feet to the point of beginning.

TO HAVE AND TO HOLD the same, together with all rights and appurtenances to the same belonging, unto the said party of the second part, and to the heirs and assigns of such party forever. So that neither the said party of the first part, nor his successors, nor any other person or persons for him or in his name or behalf, shall or will hereafter claim or demand any right or title to the aforesaid Real Estate, or any part thereof, but he and every one of them shall, by these presents, be excluded and forever barred.

IN WITNESS WHEREOF, the said party of the first part has hereunto set his hand the day and year first above written.

Grover Callahan

STATE OF MISSOURI )

COUNTY OF ST. LOUIS )

On this <u>f</u> day of <u>Systembles</u>, 1996, before me personally appeared GROVER CALLAHAN, a single man, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed, and he further declared himself to be single and unmarried.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the County and State aforesaid, the day; and year first above written.

Panela K.

N COMMISSION EXPIRES:

NOTARE/

# County Fee EXECUTOR'S DEED State User Fee

(Under Power in Will)

This Decd, Made and entered into this September nineteen hundred and eightv

nineteenth

Frank L. Pellegrini and Charles J. Galli

day of and P , by and between

City of St. Louis

State of Missouri

Executor of the Last Will and Testament of Angelo T. Marlo

(Estate No. 150705, City of St. Louis Probate Court) and acting pursuant to the powers in said will set forth, part ies

of the first part, and

Jean Ellen Callahan 162 STRECKER ROAD BAllwin MO 63011

County of the St. Louis

State of Missouri

of the second part. part y

Witnesseth, that the said part ies

of the first part, for and in consideration of

the sum of paid by the said part y of the second part, the receipt of which is hereby acknowledged, do these presents Bargain and Sell, Convey and Confirm unto the said part y of the second part, the following described Real Estate, situated in the \_\_\_\_County of St. Louis , and State of Missouri.

> The North 20 acres of the East one-half of the Southeast one-fourth of Section 31, Township 45 North, Range 4 East in St. Louis County, Missouri containing 20.002 acres, according to survey thereof executed by Elbring Surveying Company in October 1955, together with all improvements thereon.

All pursuant to Order of Probate Court of the City of St. Louis dated 2/14/77 approving petition for partial distribution distributing above described property to Jean Callahan.

> STATE OF MISSOURI ) as EDUMIY OF SI. LOUIS) as FILTO FOR RECORD

1980 SEP 24 PH 3: 44

336

HECOHOER OF DEEDS

4.8°44 温罐、

To Have and to Hold the same, together with all rights and appurtenances to the same belonging, unto the said part y of the second part, and to heirs and assigns

forever. In Witness Whereof, the said parties

ha Ve executed these presents the day and year first above written.

Will of Angelo T. Marlo

of the first part

PELLEGRINI

BOOK 7 279 PAGE 344

STATE OF MISSOURI, On this 19th September , 19 80 OFST. LOUIS before me personally appeared Frank L. Pellegrini and Charles J. Galli to me known to be the person S described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed as Executor S of Angelo T. Marlo the will of deceased. IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the and State aforesaid, the day and year first above written. GIN DIE Notary Public. GLEN DYE St. Louis County, Missouri COMMISSION EXPIRES MAR. 1 1985 STATE OF MISSOURI. On this , 19 day of OF before me appeared to me personally known, who, being by me duly sworn, did say that he is the a Corporation of the State of , and that the seal affixed to the foregoing instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors; and said acknowledged said instrument to be the free act and deed of said corporation, as Executor of the will of deceased. IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal in the and State aforesaid, the day and year first above written. GEENFOYE. Notary Public. PUBLIC STATE OF MISSOURI My term expires 104-6 .. Pellegrini and 5 J. Galli, Co-Executors Estate of EXECUTOR'S DEED Marlo, deceased (Under Power) OF DOCUMENT

of the E Angelo 1

# APPENDIX G-2 HISTORICAL SANBORN MAP SEARCH

Callahan Property 210 Strecker Road Ballwin, MO 63011

Inquiry Number: 5495488.3

November 27, 2018

# **Certified Sanborn® Map Report**



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

# **Certified Sanborn® Map Report**

11/27/18

Site Name: Client Name:

Callahan Property Tetra Tech EMI 210 Strecker Road 415 Oak Street

Ballwin, MO 63011 Kansas City, MO 64106

EDR Inquiry # 5495488.3 Contact: Ann Marie Pohlman



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Tetra Tech EMI were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

#### Certified Sanborn Results:

Certification # 2A05-4032-AF56

**PO#** 103X9025.14.0002.058

Project Callahan Property

#### **UNMAPPED PROPERTY**

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 2A05-4032-AF56

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress

University Publications of America

EDR Private Collection

The Sanborn Library LLC Since 1866™

#### **Limited Permission To Make Copies**

Tetra Tech EMI (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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# APPENDIX G-3 HISTORICAL AERIAL PHOTOGRAPHS

# **Callahan Property**

210 Strecker Road Ballwin, MO 63011

Inquiry Number: 5495488.8

November 28, 2018

# The EDR Aerial Photo Decade Package



## **EDR Aerial Photo Decade Package**

11/28/18

Site Name: Client Name:

Callahan Property Tetra Tech EMI 210 Strecker Road 415 Oak Street

Ballwin, MO 63011 Kansas City, MO 64106 EDR Inquiry # 5495488.8 Contact: Ann Marie Pohlman



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

#### Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1996	1"=500'	Acquisition Date: March 27, 1996	USGS/DOQQ
1990	1"=750'	Flight Date: February 20, 1990	USGS
1986	1"=500'	Flight Date: March 21, 1986	NHAP
1980	1"=500'	Flight Date: October 10, 1980	USDA
1974	1"=500'	Flight Date: May 01, 1974	USGS
1971	1"=500'	Flight Date: May 04, 1971	USDA
1968	1"=500'	Flight Date: March 17, 1968	USGS
1965	1"=500'	Flight Date: October 10, 1965	USDA
1958	1"=500'	Flight Date: August 27, 1958	USDA
1953	1"=500'	Flight Date: July 23, 1953	USDA
1937	1"=500'	Flight Date: August 15, 1937	USDA

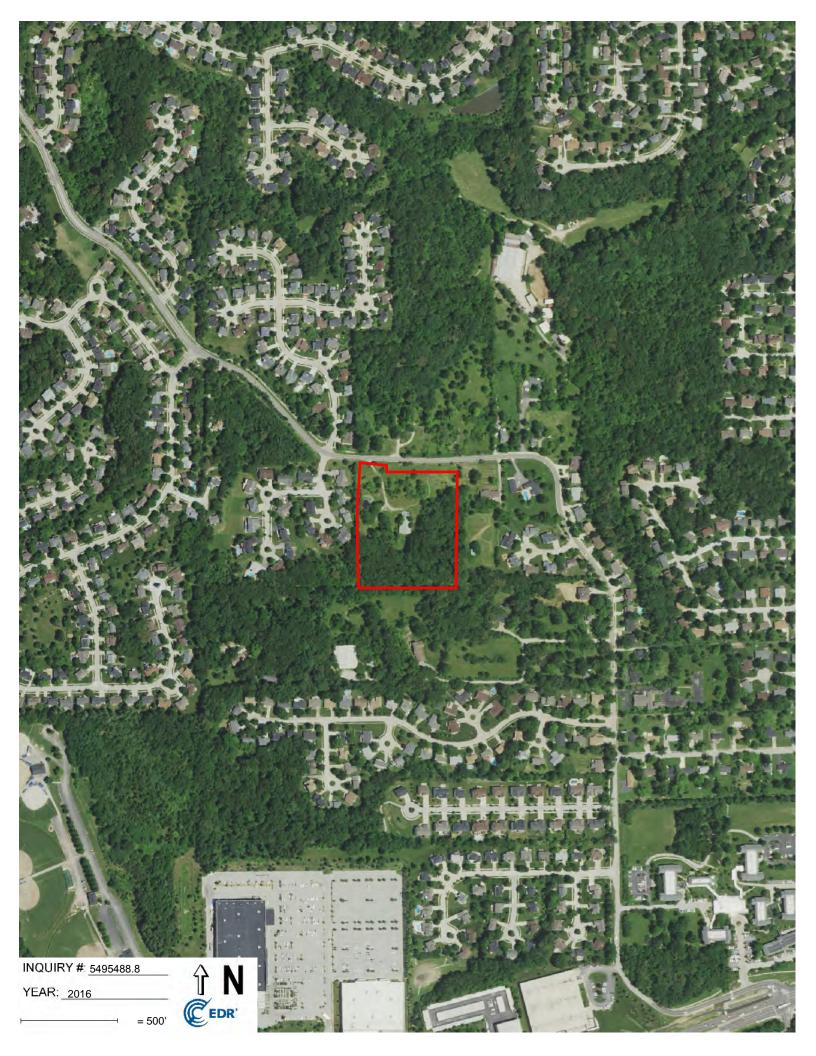
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

#### **Disclaimer - Copyright and Trademark Notice**

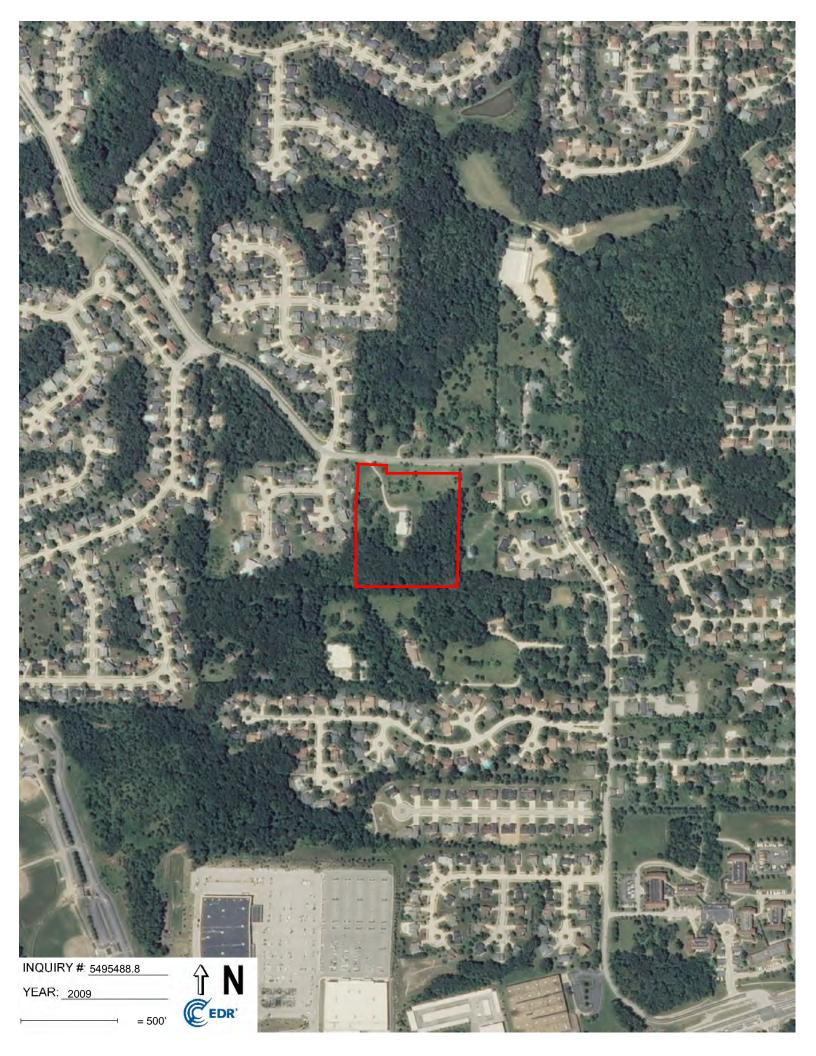
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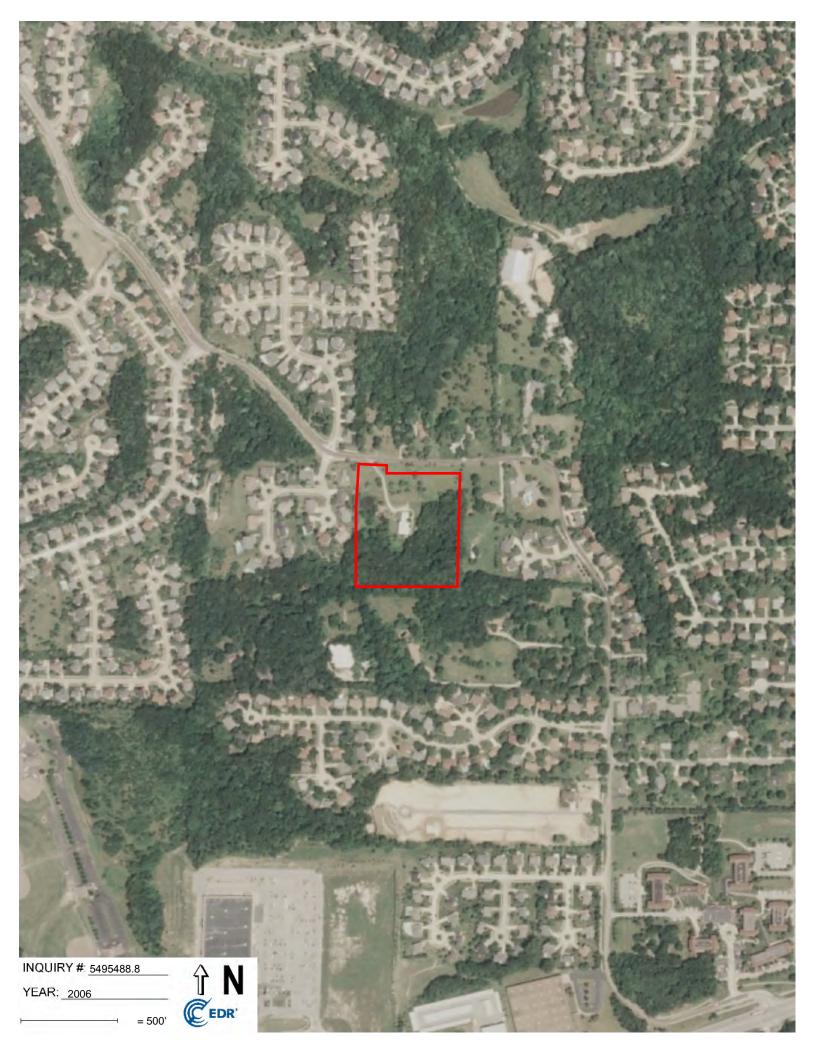
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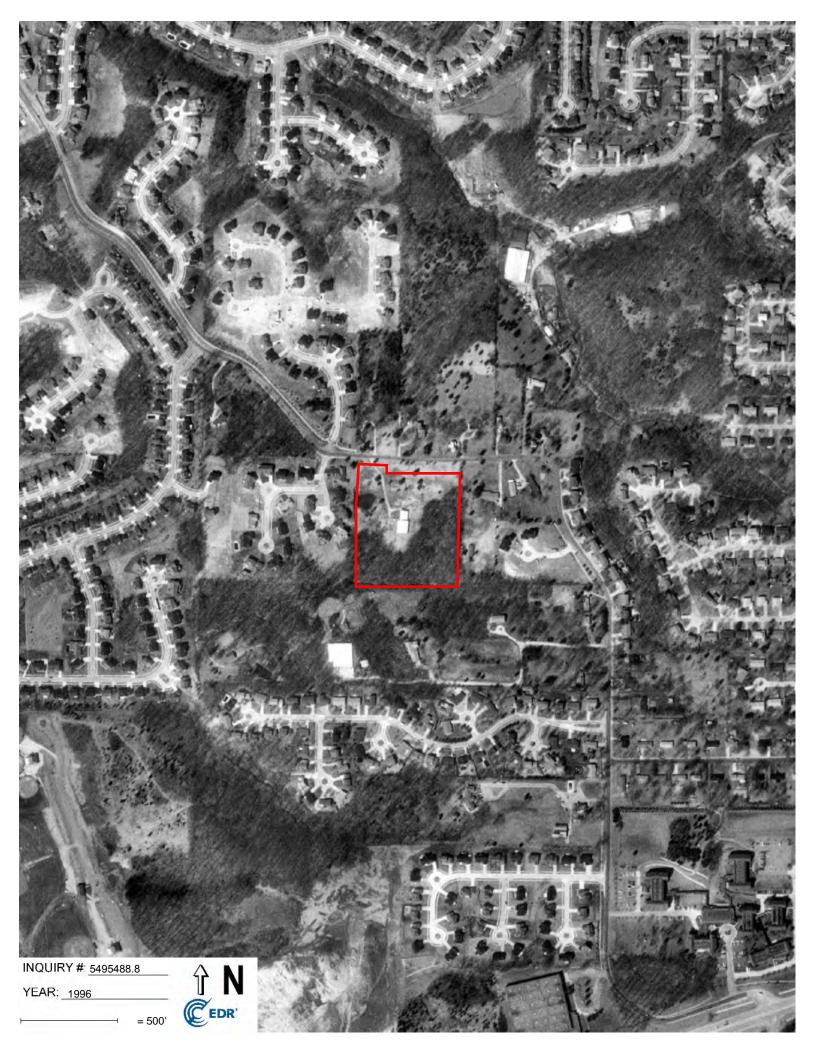
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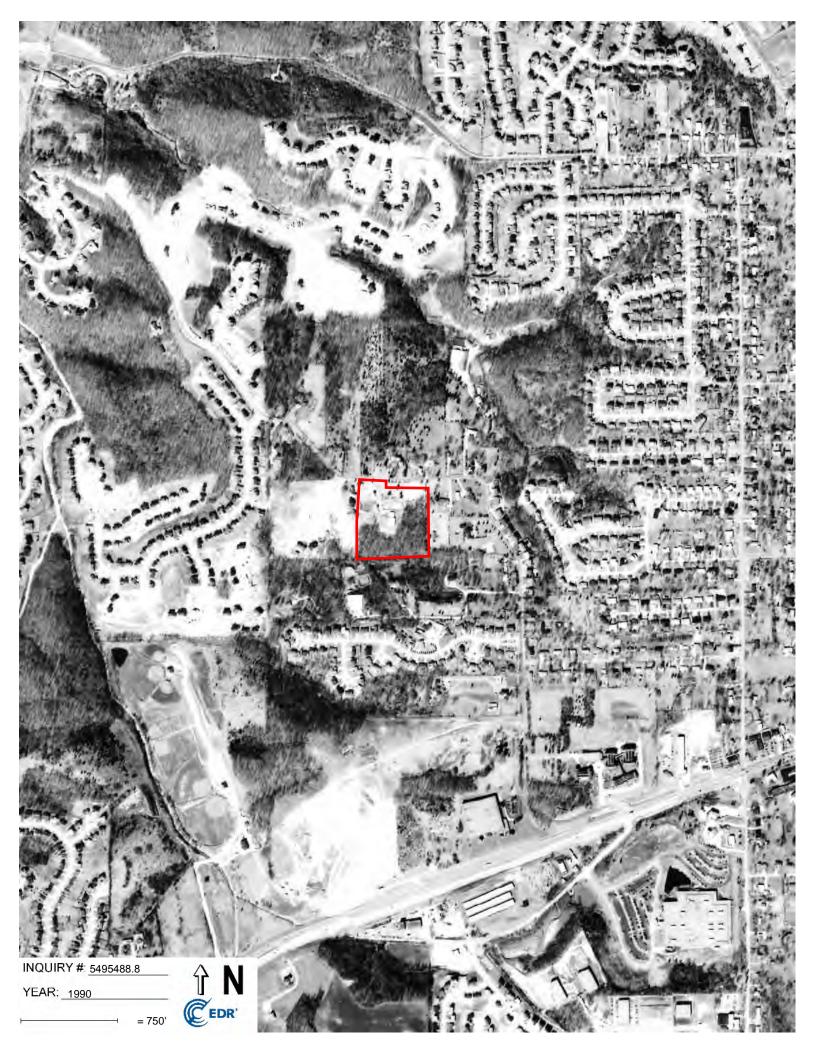




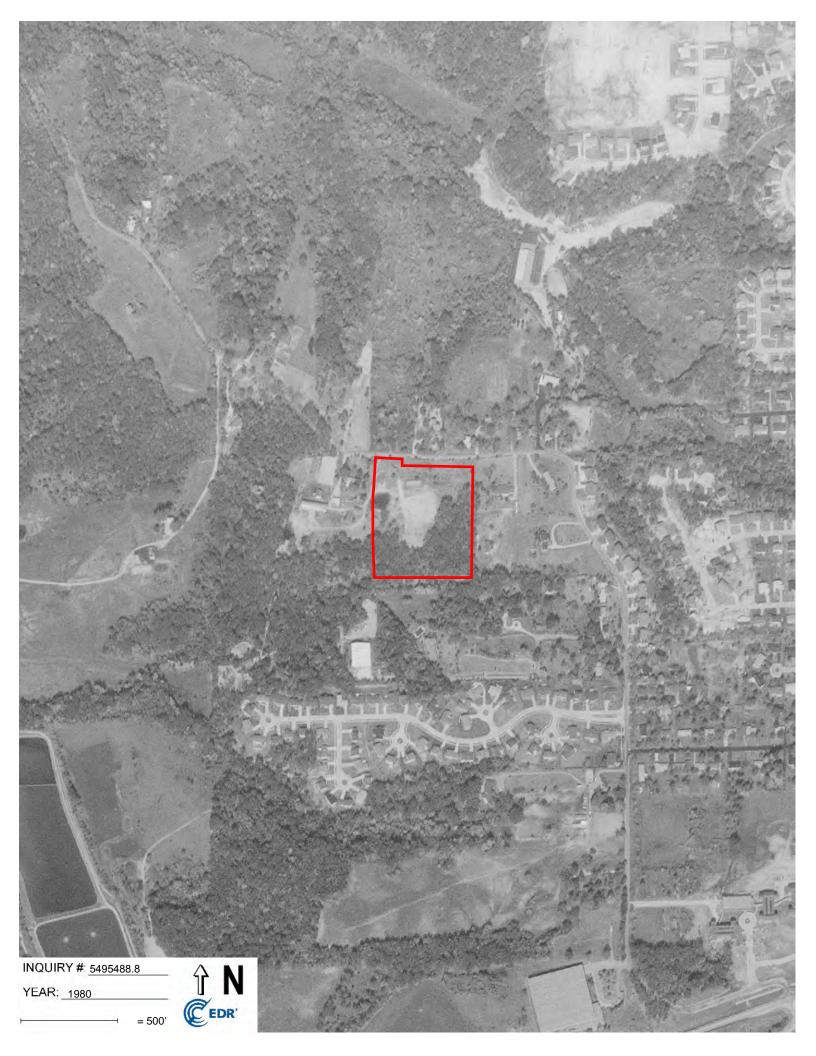


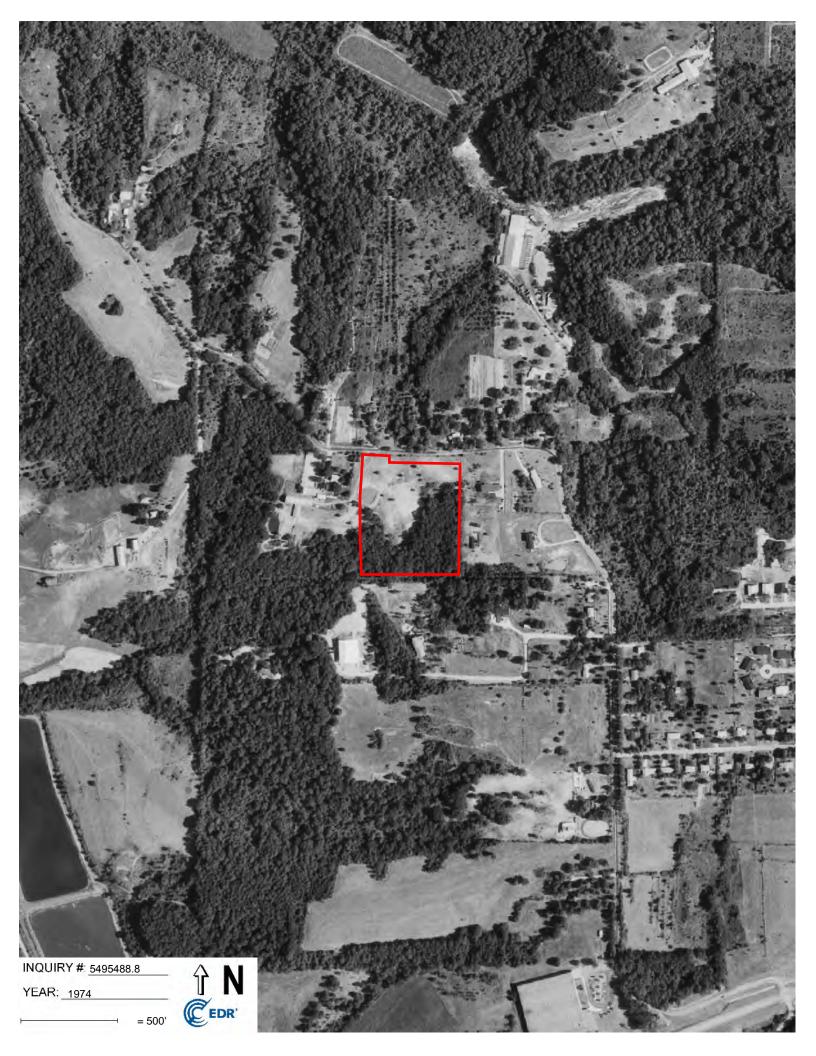


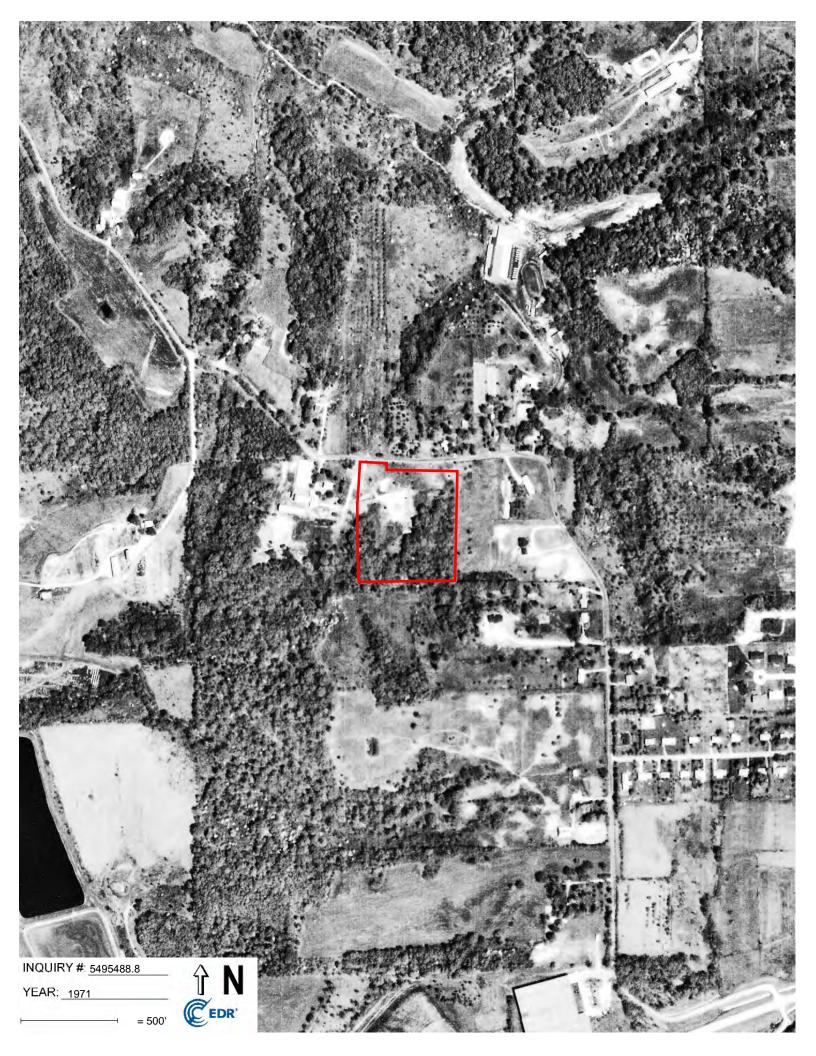


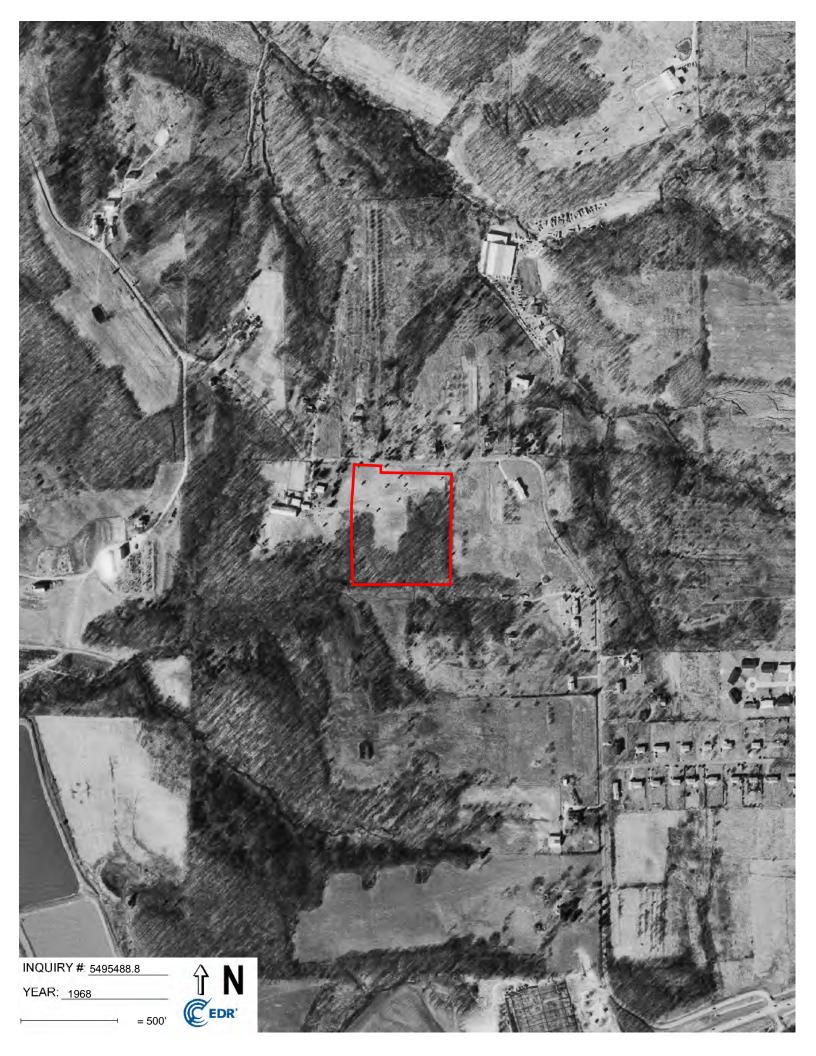




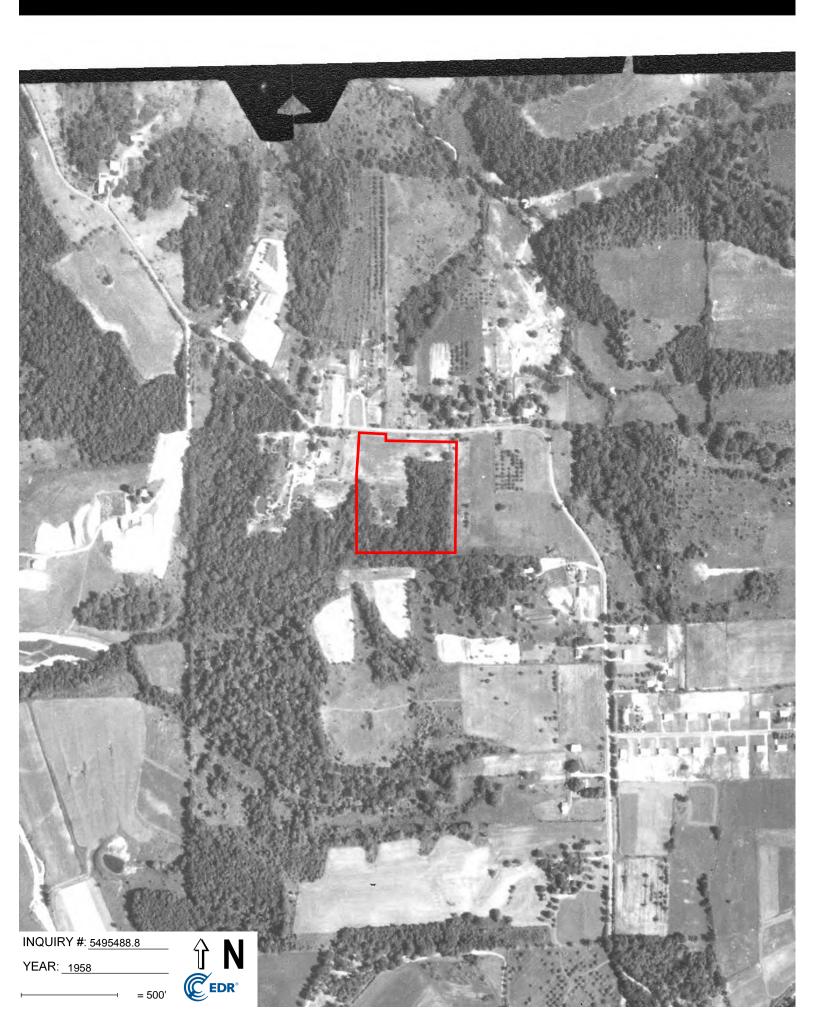


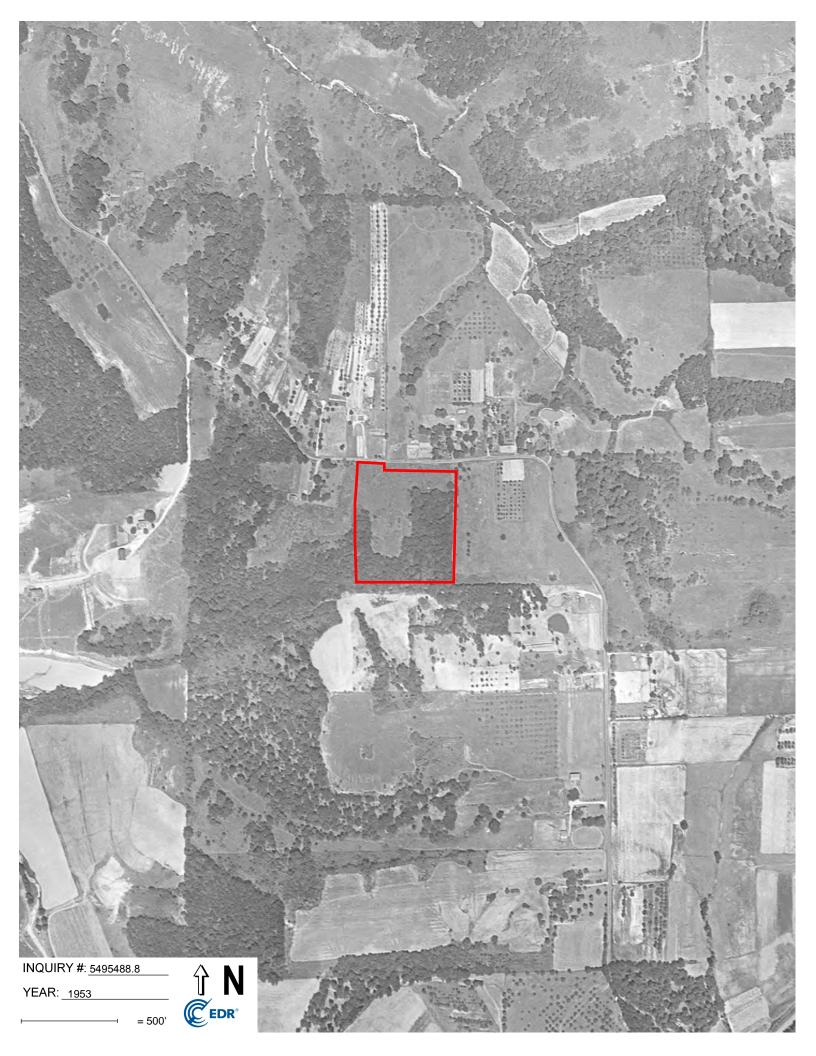














# APPENDIX G-4 HISTORICAL TOPOGRAPHIC MAPS

Callahan Property 210 Strecker Road Ballwin, MO 63011

Inquiry Number: 5495488.4

November 27, 2018

# **EDR Historical Topo Map Report**

with QuadMatch™



## **EDR Historical Topo Map Report**

11/27/18

Site Name: Client Name:

Callahan Property Tetra Tech EMI 210 Strecker Road 415 Oak Street

Ballwin, MO 63011 Kansas City, MO 64106

EDR Inquiry # 5495488.4 Contact: Ann Marie Pohlman



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Tetra Tech EMI were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		Coordinates:	
103X9025.14.0002.058	Latitude:	38.596574 38° 35' 48" North	
Callahan Property	Longitude:	-90.60547 -90° 36' 20" West	
, ,	UTM Zone:	Zone 15 North	
	<b>UTM X Meters:</b>	708532.43	
	<b>UTM Y Meters:</b>	4274728.78	
	Elevation:	711.00' above sea level	
	103X9025.14.0002.058	103X9025.14.0002.058  Callahan Property  Longitude:  UTM Zone:  UTM X Meters:  UTM Y Meters:	

#### Maps Provided:

1944, 1945

2015 1903 1993 1982 1974 1968 1954

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### Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

#### 2015 Source Sheets



Eureka 2015 7.5-minute, 24000



Manchester 2015 7.5-minute, 24000

#### 1993 Source Sheets



Manchester 1993 7.5-minute, 24000 Aerial Photo Revised 1990



Eureka 1993 7.5-minute, 24000 Aerial Photo Revised 1990

#### 1982 Source Sheets



Manchester 1982 7.5-minute, 24000 Aerial Photo Revised 1979



Eureka 1982 7.5-minute, 24000 Aerial Photo Revised 1979

#### 1974 Source Sheets



Eureka 1974 7.5-minute, 24000 Aerial Photo Revised 1974



Manchester 1974 7.5-minute, 24000 Aerial Photo Revised 1974

### Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

#### 1968 Source Sheets



Eureka 1968 7.5-minute, 24000 Aerial Photo Revised 1968



Manchester 1968 7.5-minute, 24000 Aerial Photo Revised 1968

#### 1954 Source Sheets



Manchester 1954 7.5-minute, 24000 Aerial Photo Revised 1952



Eureka 1954 7.5-minute, 24000 Aerial Photo Revised 1952

#### 1947 Source Sheets



Manchester 1947 7.5-minute, 24000

#### 1944, 1945 Source Sheets



Eureka 1944 7.5-minute, 24000



Manchester 1945 7.5-minute, 24000

## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

## 1903 Source Sheets



O'Fallon 1903 30-minute, 125000

NW N NE
TP, Manchester, 2015, 7.5-minute
SW, Eureka, 2015, 7.5-minute

SE

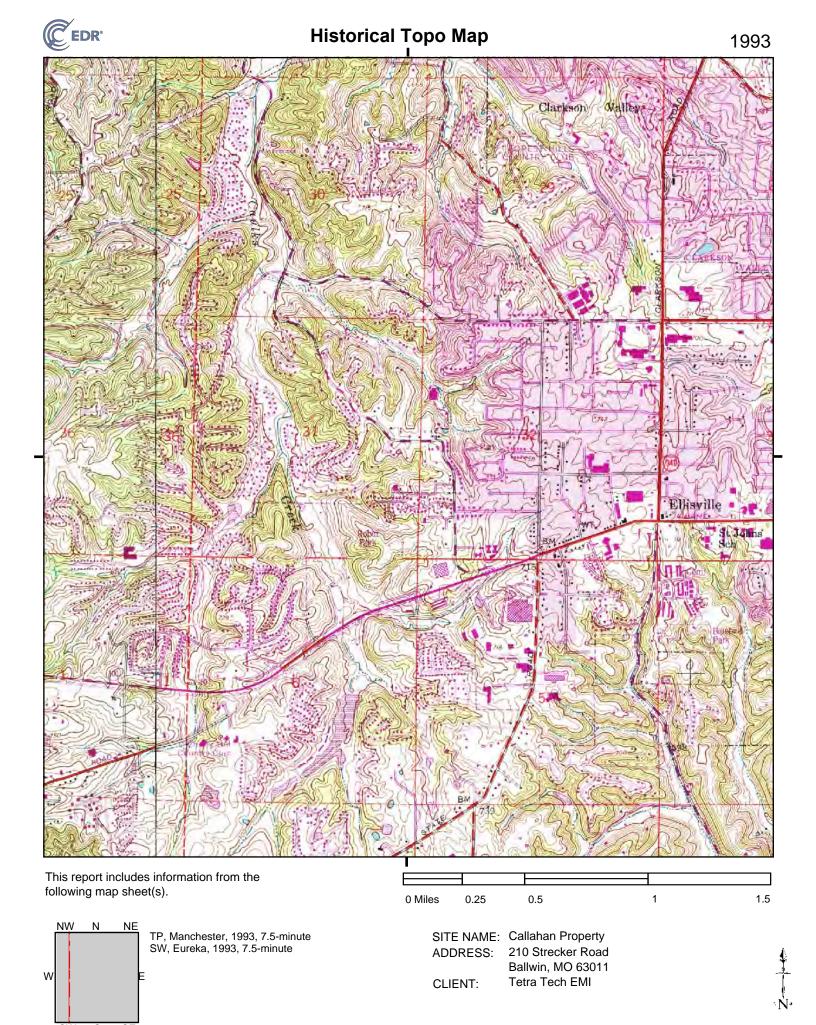
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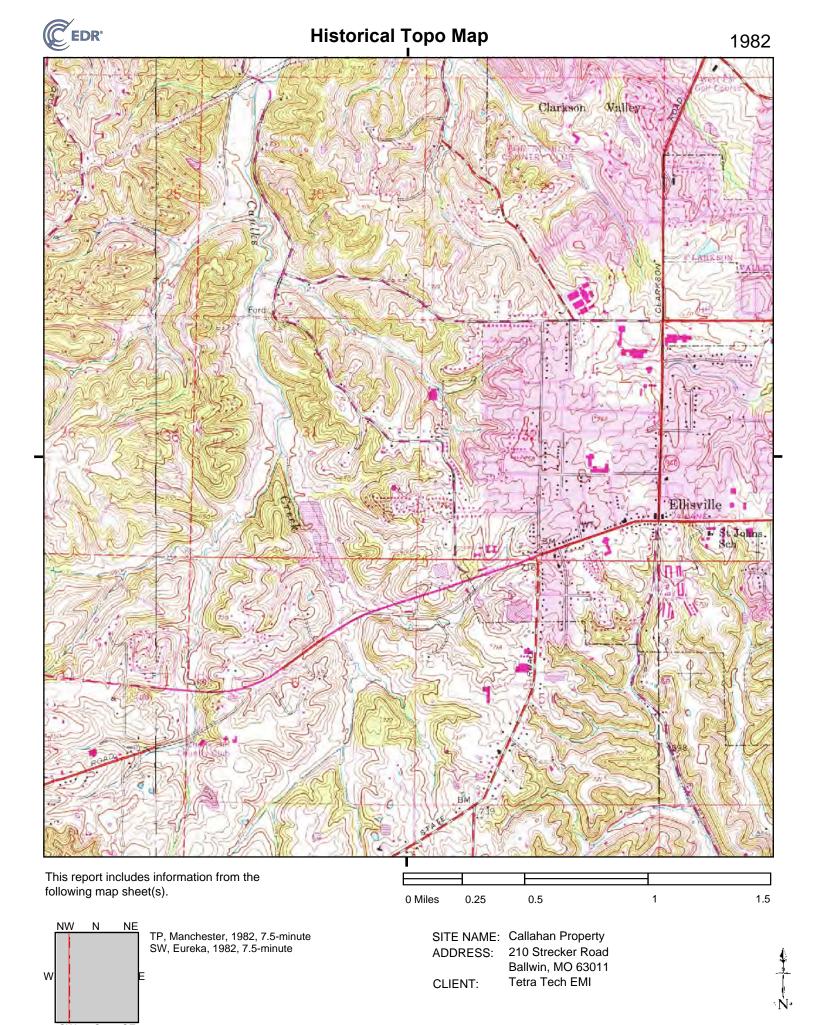
SITE NAME: Callahan Property

ADDRESS: 210 Strecker Road

Ballwin, MO 63011

CLIENT: Tetra Tech EMI





W

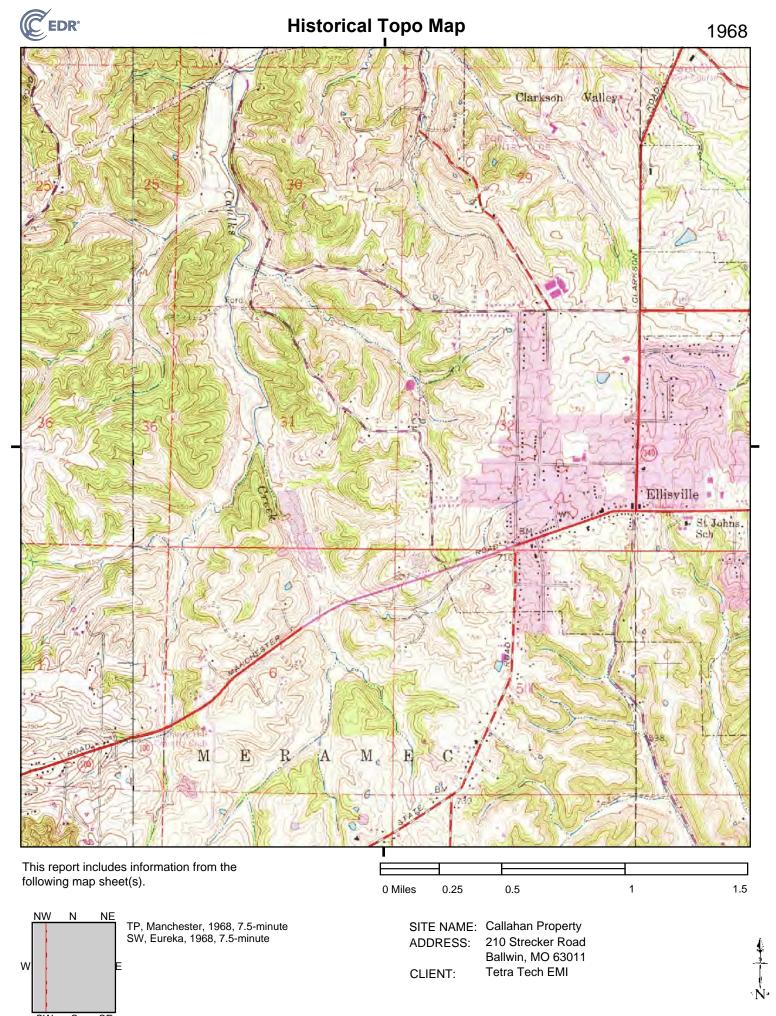
TP, Manchester, 1974, 7.5-minute SW, Eureka, 1974, 7.5-minute

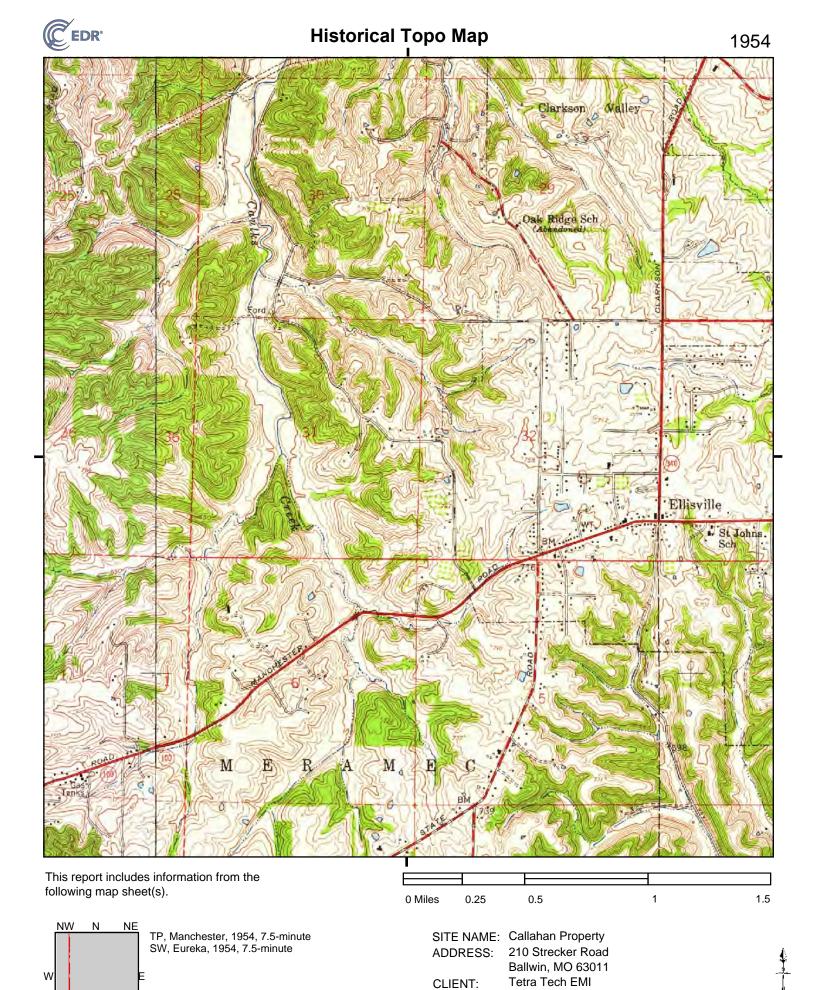
SITE NAME: Callahan Property ADDRESS: 210 Strecker Road

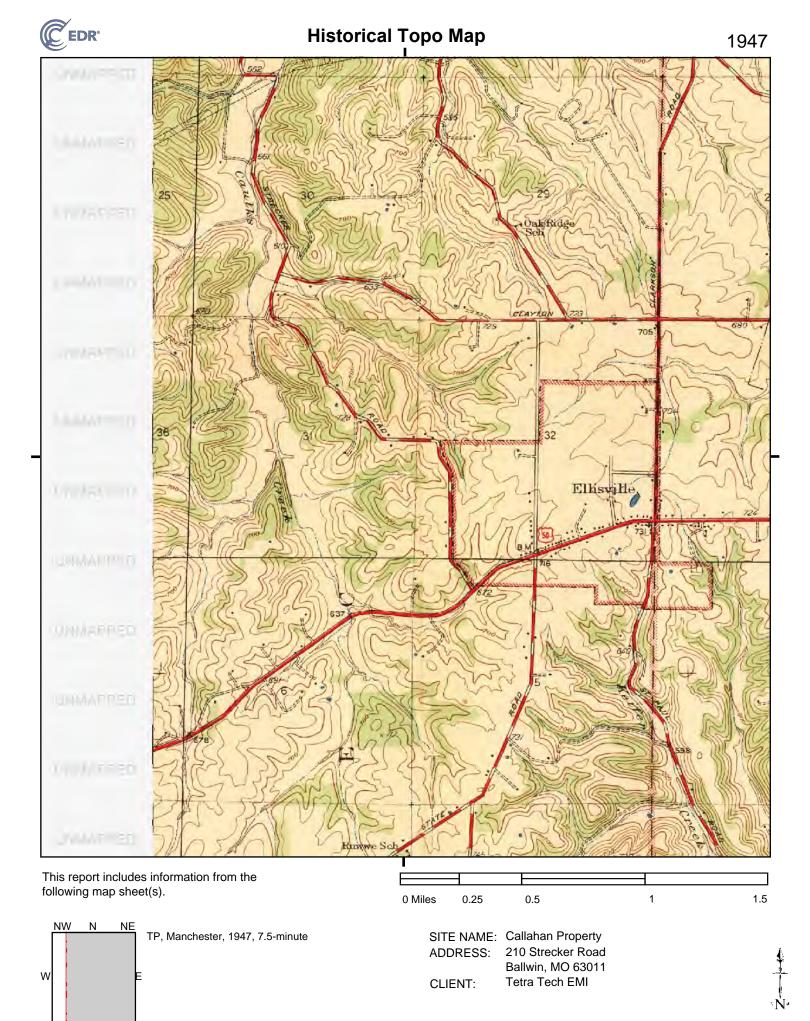
Ballwin, MO 63011

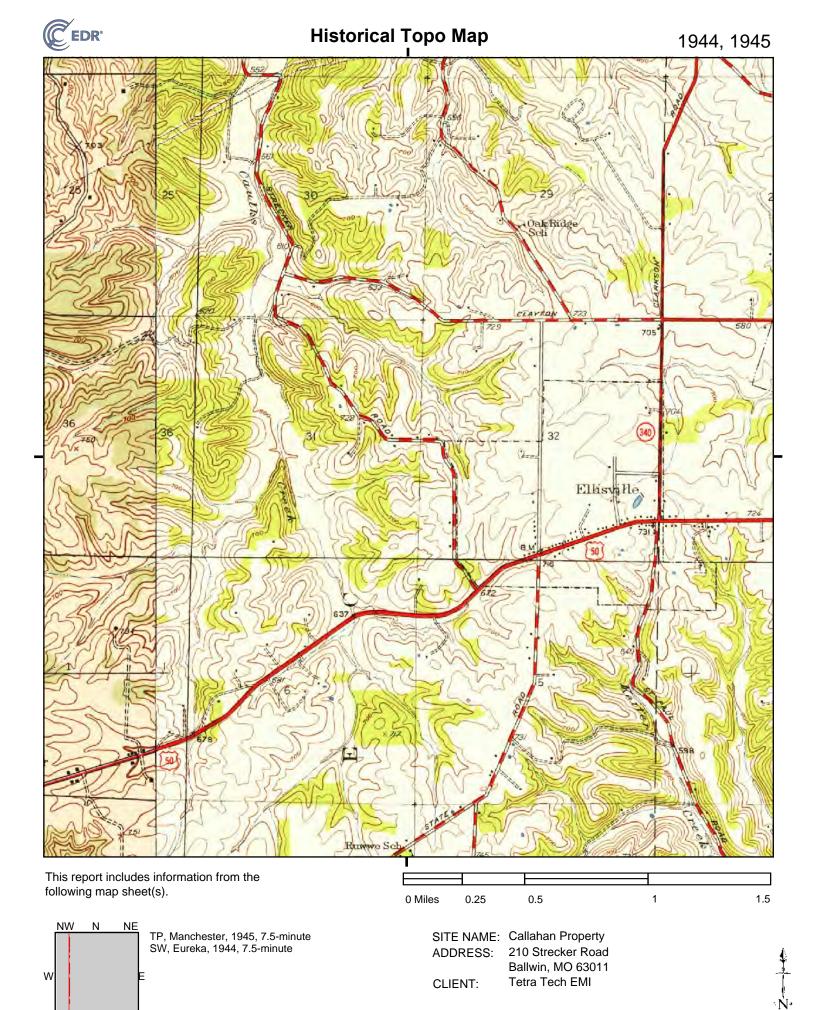
CLIENT: Tetra Tech EMI

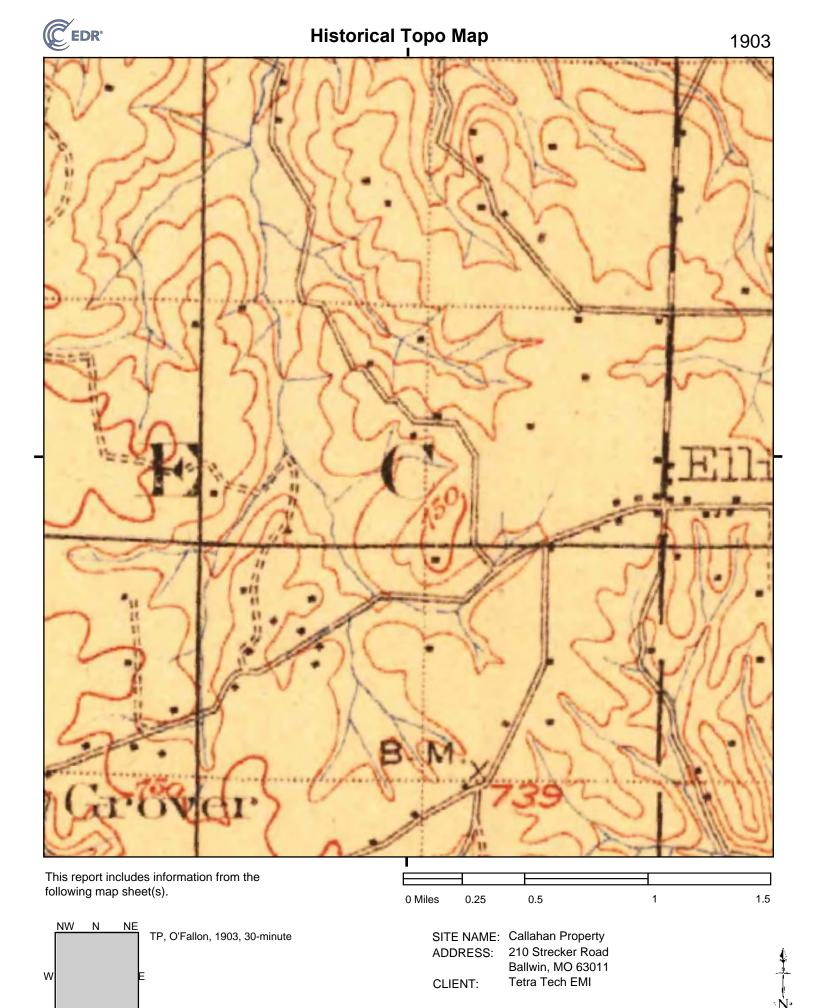
page 9











# APPENDIX G-5 HISTORICAL CITY DIRECTORY SEARCH

# **Callahan Property**

210 Strecker Road Ballwin, MO 63011

Inquiry Number: 5495488.5

November 28, 2018

# **The EDR-City Directory Abstract**



#### **TABLE OF CONTENTS**

#### **SECTION**

**Executive Summary** 

**Findings** 

**City Directory Images** 

**Thank you for your business.**Please contact EDR at 1-800-352-0050 with any questions or comments.

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#### **EXECUTIVE SUMMARY**

#### **DESCRIPTION**

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1930 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

#### **RECORD SOURCES**

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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#### **RESEARCH SUMMARY**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	Source	<u>TP</u>	<u>Adjoining</u>	Text Abstract	Source Image
2014	EDR Digital Archive	-	Χ	X	-
2010	EDR Digital Archive	-	X	X	-
2006	Haines Company, Inc.	-	X	X	X
2001	Haines & Company, Inc.	-	X	X	X
	Haines & Company, Inc.	Χ	X	X	X
1992	Southwestern Bell	-	X	X	-
	Southwestern Bell Telephone Co.	-	X	X	-
1986	Southwestern Bell Telephone	-	X	X	-
1980	R. L. Polk & Co.	-	-	-	-
1979	R. L. Polk & Co.	-	-	-	-
1975	R. L. Polk Co.	-	-	-	-
1973	R. L. Polk & Co.	-	-	-	-

# **EXECUTIVE SUMMARY**

<u>Year</u>	Source	<u>TP</u>	<u>Adjoining</u>	Text Abstract	Source Image
1970	R. L. Polk & Co.	-	-	-	-
1965	R. L. Polk Co.	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	R. L. Polk & Co.	-	-	-	-
1958	R. L. Polk & Co.	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1953	Southwestern Bell Telephone Co.	-	-	-	-
1949	R. L. Polk & Co.	-	-	-	-
1948	POLK-GOULD DIRECTORY CO.	-	-	-	-
1944	POLK-GOULD DIRECTORY CO.	-	-	-	-
1939	R. L. Polk & Co.	-	-	-	-
1936	Polk-Gould Directory Co	-	-	-	-
1935	Polk-Gould Directory Co	-	-	-	-
1930	R. L. Polk & Co.	-	-	-	-

#### **RECORD SOURCES**

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#### TARGET PROPERTY INFORMATION

#### **ADDRESS**

210 Strecker Road Ballwin, MO 63011

#### **FINDINGS DETAIL**

Target Property research detail.

#### **STRECKER RD**

#### 210 STRECKER RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2001	CALLAHANJean	Haines & Company, Inc.	Image pg. A4

#### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

#### **Cobblefield Ct**

#### 203 Cobblefield Ct

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	PLUMB PERFECT PLUMBING INC	EDR Digital Archive
2010	PLUMB PERFECT PLUMBING INC	EDR Digital Archive

#### **COBBLEFIELD CT**

#### 203 COBBLEFIELD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	FITE Randy	Haines Company, Inc.	Image pg. A1
2001	TANNER Dave	Haines & Company, Inc.	Image pg. A5

#### 207 COBBLEFIELD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	SCOTT Jordan	Haines Company, Inc.	Image pg. A1
2001	SCOTT Bvth	Haines & Company, Inc.	Image pg. A5
	SCOTTJordan	Haines & Company, Inc.	Image pg. A5
1992	SAXE Fabyan R III	Southwestern Bell	
	SAXE Fabvan R III	Southwestern Bell Telephone Co.	

#### 211 COBBLEFIELD CT

<u>Year</u>	<u>Uses</u>	Source	
2006	NAPOLI Cindy	Haines Company, Inc.	Image pg. A1
2001	LAUFER Wm	Haines & Company, Inc.	Image pg. A5
	LAUFERCindy	Haines & Company, Inc.	Image pg. A5

#### 215 COBBLEFIELD CT

<u>rear</u>	<u>0363</u>	<u>Source</u>	
2006	RICH Joanna	Haines Company, Inc.	Image pg. A1
2001	RICHJoanna	Haines & Company, Inc.	Image pg. A5

#### 216 COBBLEFIELD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	RECHTIENE James	Haines Company, Inc.	Image pg. A1
2001	RECHTIENEJames	Haines & Company, Inc.	Image pg. A5

#### **Cobblefield Ct**

#### 219 Cobblefield Ct

<u>Year</u> <u>Uses</u> <u>Source</u>

2010 OBJECTS HOME INC EDR Digital Archive

#### **COBBLEFIELD CT**

#### 219 COBBLEFIELD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	REDDY Ramesh	Haines Company, Inc.	Image pg. A1
2001	REDDYRamesh	Haines & Company, Inc.	Image pg. A5

#### 223 COBBLEFIELD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	BARBAN Char	Haines Company, Inc.	Image pg. A1
2001	BARBANCharlene	Haines & Company, Inc.	Image pg. A5

#### 224 COBBLEFIELD CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	FISCHER John	Haines Company, Inc.	Image pg. A1
2001	BUSCHMANN ClemenI	Haines & Company, Inc.	Image pg. A5
	BUSCHMANN Mary	Haines & Company, Inc.	Image pg. A5
	BUSCHMANN Mary	Haines & Company, Inc.	Image pg. A5
1992	NEIL Bill S & Vicky	Southwestern Bell Telephone Co.	
	NEIL Bill S & Vicky	Southwestern Bell	

#### 227 COBBLEFIELD CT

<u>Year</u>	<u>Uses</u>	Source	
2006	BEACH Bill	Haines Company, Inc.	Image pg. A1
2001	FLYNN Gary	Haines & Company, Inc.	Image pg. A5
	FLYNNBarb	Haines & Company, Inc.	Image pg. A5
1992	CRAIG Jas D	Southwestern Bell Telephone Co.	
	CRAIG Jas D	Southwestern Bell	

#### 228 COBBLEFIELD CT

<u>Year</u>	<u>Uses</u>	Source	
2006	HARPER Kj	Haines Company, Inc.	Image pg. A1
2001	HARPER Brace	Haines & Company, Inc.	Image pg. A5
1992	HARPER Bruce	Southwestern Bell	
	HARPER Bruce	Southwestern Bell Telephone Co.	

#### 231 COBBLEFIELD CT

2006

**HUBBARD** Julle

231 COB	BREFIELD CI		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	BAUMAN Martin	Haines Company, Inc.	Image pg. A1
2001	BAUMAN Martin	Haines & Company, Inc.	Image pg. A5
	BAUMAN Theresa	Haines & Company, Inc.	Image pg. A5
1992	FELKE Frank	Southwestern Bell	
	FELKE Frank	Southwestern Bell Telephone Co.	
232 COB	BLEFIELD CT		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	CALANDRO	Haines Company, Inc.	Image pg. A1
	Rosemary	Haines Company, Inc.	Image pg. A1
2001	CALANDRO Michael	Haines & Company, Inc.	Image pg. A5
	CALANDRO Rosemary	Haines & Company, Inc.	Image pg. A5
1992	CALANDRO Michael & Rosemary	Southwestern Bell	
	CALANDRO Michael & Rosemary	Southwestern Bell Telephone Co.	
ENGLE	BROOK CT		
1568 EN	GLEBROOK CT		
Year	<u>Uses</u>	<u>Source</u>	
2001	SCHLUETERChas	Haines & Company, Inc.	Image pg. A6
1602 EN	GLEBROOK CT		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	BARBAN Kerry	Haines Company, Inc.	Image pg. A2
2001	BROWN Bruce	Haines & Company, Inc.	Image pg. A6
	BROWN Barban Kerry	Haines & Company, Inc.	Image pg. A6
1606 EN	GLEBROOK CT	, ,	
		•	
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	PETERS NIsa	Haines Company, Inc.	Image pg. A2
	PETERS NIsa	Haines Company, Inc.	Image pg. A2
2001	PETERSMilchell	Haines & Company, Inc.	Image pg. A6
1992	CHRISTENSEN Kevin & Dar la	Southwestern Bell Telephone Co.	
	CHRISTENSEN Kevin & Dar la	Southwestern Bell	
1610 EN	GLEBROOK CT		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	

5495488- 5 Page 5

Image pg. A2

Haines Company, Inc.

#### **Englebrook Ct**

#### 1611 Englebrook Ct

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	SPIELBERG AUDIO LAB	EDR Digital Archive
2010	SPIELBERG AUDIO LAB	EDR Digital Archive

#### **ENGLEBROOK CT**

#### 1611 ENGLEBROOK CT

<u>Year</u>	<u>Uses</u>	Source	
2006	SHEAHAN Donald	Haines Company, Inc.	Image pg. A2
2001	FORCurt	Haines & Company, Inc.	Image pg. A6

#### **Englebrook Ct**

#### 1614 Englebrook Ct

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LATERN TREATS INC	EDR Digital Archive
2010	LATERN TREATS INC	EDR Digital Archive

#### **ENGLEBROOK CT**

#### 1614 ENGLEBROOK CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	PHILLIPS J Robert	Haines Company, Inc.	Image pg. A2
2001	PHILLIPSRobed	Haines & Company, Inc.	Image pg. A6
	PHILLIPSLIsa	Haines & Company, Inc.	Image pg. A6
	PHILLIPSJ Rober	Haines & Company, Inc.	Image pg. A6
1992	PHILPS J Robert	Southwestern Bell	
	PHILPS J Robert	Southwestern Bell Telephone Co.	

### **Englebrook Ct**

#### 1615 Englebrook Ct

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	STATMETRICS	EDR Digital Archive

#### **ENGLEBROOK CT**

#### 1615 ENGLEBROOK CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	GRUBBS Preston	Haines Company, Inc.	Image pg. A2
2001	RAYAWil liam	Haines & Company, Inc.	Image pg. A6
1992	PARSONS Michael K DDS	Southwestern Bell Telephone Co.	
	PARSONS Michael K DDS	Southwestern Bell	

#### 1619 ENGLEBROOK CT

<u>Year</u>	<u>Uses</u>	Source	
2006	WUDakeng	Haines Company, Inc.	Image pg. A2
2001	SILBERBERGMA	Haines & Company, Inc.	Image pg. A6
1992	SILBERBERG Jas R	Southwestern Bell	
	DANEKIND N	Southwestern Bell	
	DANEKIND K	Southwestern Bell	
	SILBERBERG Jas R	Southwestern Bell Telephone Co.	
	DANEKIND N	Southwestern Bell Telephone Co.	
	DANEKIND K	Southwestern Bell Telephone Co.	

#### **ENGLEBROOK DR**

#### 1551 ENGLEBROOK DR

<u>Year</u>	<u>Uses</u>	Source	
2006	KORTUMP	Haines Company, Inc.	Image pg. A2
2001	SCHEBAUMMerrII	Haines & Company, Inc.	Image pg. A6

#### **Englebrook Dr**

#### 1555 Englebrook Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	RICHARD JOSEPH WEIBERT	EDR Digital Archive

#### **ENGLEBROOK DR**

#### 1555 ENGLEBROOK DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	BEREYSO Kelly	Haines Company, Inc.	Image pg. A2
2001	BEREYSOMike	Haines & Company, Inc.	Image pg. A6
	BEREYSOKelly	Haines & Company, Inc.	Image pg. A6

#### 1556 ENGLEBROOK DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	JOYCE Stephen	Haines Company, Inc.	Image pg. A2
2001	DOUG 9 ERTY Chuck	Haines & Company, Inc.	Image pg. A6
	DOUGHERTY Chuck	Haines & Company, Inc.	Image pg. A6
	DOUGHERTY Cindy	Haines & Company, Inc.	Image pg. A6
1559 ENG	GLEBROOK DR		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	RANCIUO Dama R	Haines Company, Inc.	Image pg. A2
2001	RANCIL 000 anna R	Haines & Company, Inc.	Image pg. A6
1560 ENG	GLEBROOK DR		
<u>Year</u>	<u>Uses</u>	Source	
2006	KUYKENDALL John	Haines Company, Inc.	Image pg. A2
2001	KUYKENDALLJohn	Haines & Company, Inc.	Image pg. A6
	KUYKENDALLJohn	Haines & Company, Inc.	Image pg. A6
1563 ENG	GLEBROOK DR		
<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	HARTSF 1 ELD H	Haines Company, Inc.	Image pg. A2
2001	MER aonald W	Haines & Company, Inc.	Image pg. A6

### Englebrook Dr

#### 1564 Englebrook Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	TANDESCO LLC	EDR Digital Archive
2010	SIMOLDES INC	EDR Digital Archive
	TANDESCO LLC	EDR Digital Archive

### **ENGLEBROOK DR**

#### 1564 ENGLEBROOK DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	STANNERBany	Haines Company, Inc.	Image pg. A2
2001	TANNER B	Haines & Company, Inc.	Image pg. A6
	TANNER Isabel	Haines & Company, Inc.	Image pg. A6
	TANNER Barry	Haines & Company, Inc.	Image pg. A6

#### 1567 ENGLEBROOK DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	SONDAG Marina	Haines Company, Inc.	Image pg. A2
2001	TOIN Michael	Haines & Company, Inc.	Image pg. A6
	TOOINDiahann	Haines & Company, Inc.	Image pg. A6

#### 1568 ENGLEBROOK DR

<u>Year</u>	<u>Uses</u>	Source	
2006	SCHLUETER Chas	Haines Company, Inc.	Image pg. A2
2001	CHARLES 9 L	Haines & Company, Inc.	Image pg. A6

#### 1571 ENGLEBROOK DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	HOLMAN Norman	Haines Company, Inc.	Image pg. A2
2001	HOLMANNorman	Haines & Company, Inc.	Image pg. A6

#### **Englebrook Dr**

#### 1572 Englebrook Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2010	MARLIN DAWN S	EDR Digital Archive

#### **ENGLEBROOK DR**

#### 1572 ENGLEBROOK DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
2006	No Current Listing	Haines Company, Inc.	Image pg. A2
2001	WILLIAMSEdgar	Haines & Company, Inc.	Image pg. A6

#### 1576 ENGLEBROOK DR

<u>Year</u>	<u>Uses</u>	Source	
2006	STOPIK Daniel	Haines Company, Inc.	Image pg. A2
2001	TOPK Suezee	Haines & Company, Inc.	Image pg. A6
	TOPIK Daniel	Haines & Company, Inc.	Image pg. A6

#### **Englebrook Dr**

#### 1579 Englebrook Dr

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2014	LARNIK SUPPLY SOLUTIONS LLC	EDR Digital Archive

#### **ENGLEBROOK DR**

#### 1579 ENGLEBROOK DR

YearUsesSource2006MURPHY CathyHaines Company, Inc.Image pg. A2MURPHY CMHaines Company, Inc.Image pg. A22001MURPHY CMHaines & Company, Inc.Image pg. A6

#### 1580 ENGLEBROOK DR

YearUsesSource2006JADWIN DavidHaines Company, Inc.Image pg. A22001JAOWIN DavidHaines & Company, Inc.Image pg. A6

#### **STRECKER RD**

#### 177 STRECKER RD

YearUsesSource2001SCHOESSELHarid MHaines & Company, Inc.Image pg. A4

#### 201 STRECKER RD

YearUsesSource1986EATON Don RSouthwestern Bell TelephoneEATON CoreenSouthwestern Bell Telephone

#### 202 STRECKER RD

YearUsesSource2001No ReturnHaines & Company, Inc.Image pg. A4

#### 214 STRECKER RD

YearUsesSource1986STUBBLEFIELD Emery ASouthwestern Bell Telephone

#### 215 STRECKER RD

YearUsesSource2006COIL G LHaines Company, Inc.Image pg. A32001COIL G LHaines & Company, Inc.Image pg. A41986COIL G LSouthwestern Bell Telephone

#### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1551 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1555 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1555 Englebrook Dr	2014, 2006, 2001, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1556 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1559 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1560 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1563 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1564 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1564 Englebrook Dr	2006, 2001, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1567 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1568 ENGLEBROOK CT	2014, 2010, 2006, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1568 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1571 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1572 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1572 Englebrook Dr	2014, 2006, 2001, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1576 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1579 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1579 Englebrook Dr	2010, 2006, 2001, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1580 ENGLEBROOK DR	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1602 ENGLEBROOK CT	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1606 ENGLEBROOK CT	2014, 2010, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1944, 1934, 1936, 1935, 1930

Address Researched	Address Not Identified in Research Source
1610 ENGLEBROOK CT	2014, 2010, 2001, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1611 ENGLEBROOK CT	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1611 Englebrook Ct	2006, 2001, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1614 Englebrook Ct	2006, 2001, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1614 ENGLEBROOK CT	2014, 2010, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1615 ENGLEBROOK CT	2014, 2010, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1615 Englebrook Ct	2010, 2006, 2001, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
1619 ENGLEBROOK CT	2014, 2010, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
177 STRECKER RD	2014, 2010, 2006, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
201 STRECKER RD	2014, 2010, 2006, 2001, 1992, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
202 STRECKER RD	2014, 2010, 2006, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
203 COBBLEFIELD CT	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
203 Cobblefield Ct	2006, 2001, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
207 COBBLEFIELD CT	2014, 2010, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
211 COBBLEFIELD CT	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
214 STRECKER RD	2014, 2010, 2006, 2001, 1992, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
215 COBBLEFIELD CT	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
215 STRECKER RD	2014, 2010, 1992, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
216 COBBLEFIELD CT	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
219 COBBLEFIELD CT	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
219 Cobblefield Ct	2014, 2006, 2001, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
223 COBBLEFIELD CT	2014, 2010, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
224 COBBLEFIELD CT	2014, 2010, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
227 COBBLEFIELD CT	2014, 2010, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1944, 1939, 1936, 1935, 1930

Address Researched	Address Not Identified in Research Source
228 COBBLEFIELD CT	2014, 2010, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
231 COBBLEFIELD CT	2014, 2010, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930
232 COBBLEFIELD CT	2014, 2010, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930

#### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

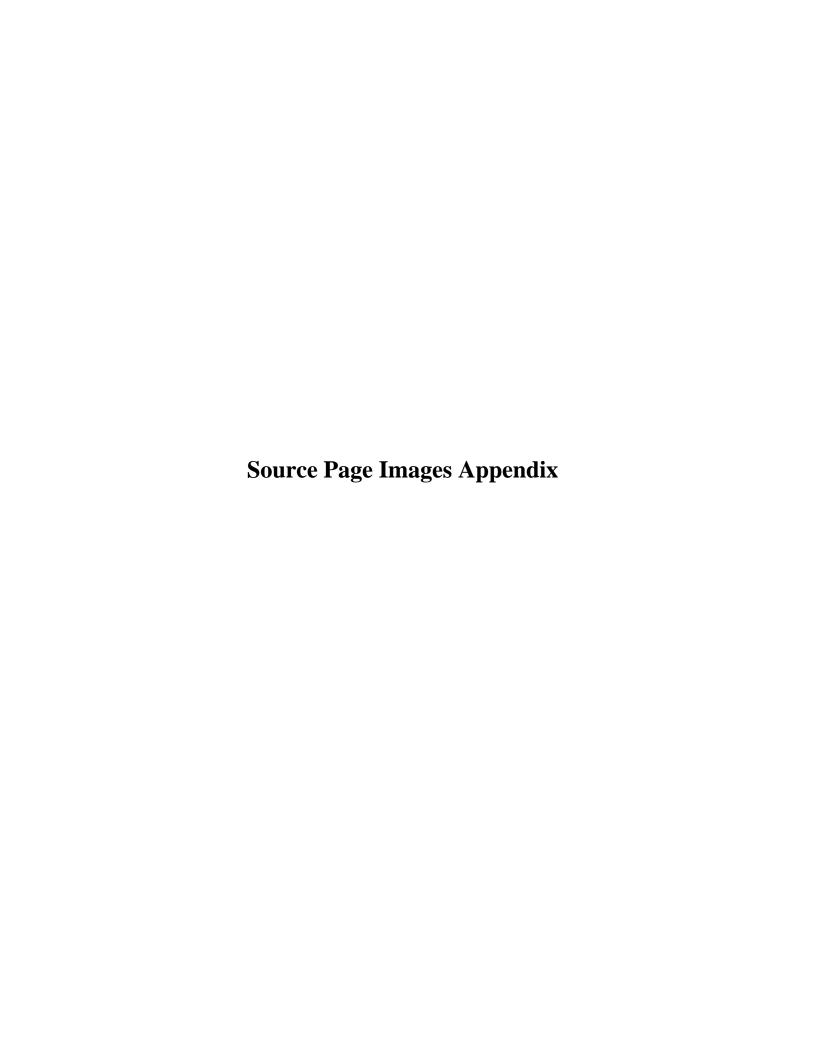
The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

#### **Address Researched**

#### **Address Not Identified in Research Source**

210 Strecker Road

2014, 2010, 2006, 1992, 1986, 1980, 1979, 1975, 1973, 1970, 1965, 1961, 1960, 1958, 1955, 1953, 1949, 1948, 1944, 1939, 1936, 1935, 1930



<u>Source</u> Haines Company, Inc.

# COBBLEFIELD CT 2006

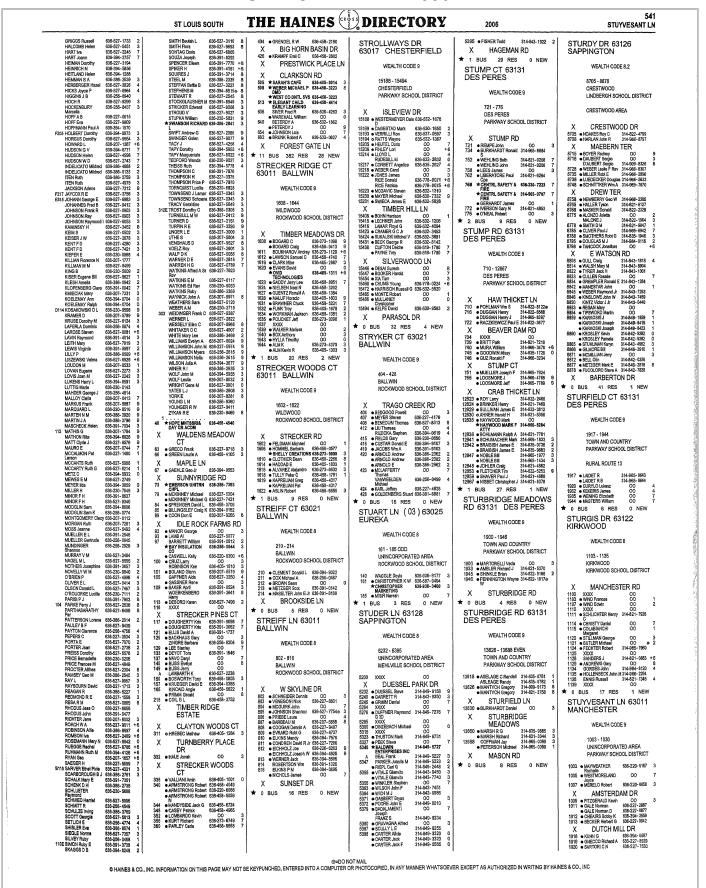
		ST LOUIS SOUTH	THE HAINES 🧐	DIRECTORY	2006	COEUR DALENE CT
	304 KERR N F 636-391-6347 VIVION Teresa 636-220-8022 +6	CLYDE AVE 63125	6833 ● WEBSTER Martha 00 9 X CENTRAL AVE	COACH N 4 LN 63131 DES PERES	COATBRIDGE CT 63021 BALLWIN	16467 ◆ TURNER M L 636-532-1292 3  ★ 0 BUS 14 RES 2 NEW
	305 MEDLIN Michael 636-527-7308 +6 306 KRUSE Daniel J 636-207-7975 3 B TAYLOR Geo 636-527-8385 +6	LEMAY WEALTH CODE 4.2	★ 0 BUS 3 RES 0 NEW	WEALTH CODE 9	WEALTH CODE 8	COBBLESTONE DR 63011 BALLWIN
	CLUB CRKS CT 63017	9512 - 9999	CLYDEHURST DR 63119 WEBSTER GROVES	1-14	1001 - 1025	WEALTH CODE 9
	CHESTERFIELD  108 ROENTZ Gene 636-458-6528 1	UNINCORPORATED AREA HANCOCK PLACE SCHOOL DIST	WEDSTER GROVES WEALTH CODE 7	FRONTENAC LADUE SCHOOL DISTRICT	MANCHESTER PARKWAY SCHOOL DISTRICT	2-6
	109 DIECKHAUS Robert 638-458-9899 8 * 0 BUS 2 RES 0 NEW	3 BLKS W OF BROADWY	3 - 19	FRONTENAC AREA	X TREETOP TRAIL DR 1001 • EDMISTN Michael 636-230-7559 3	BALLWIN PARKWAY SCHOOL DISTRICT
	CLUB LN 63122 KIRKWOOD	X GENTRY AVE 9512 DRONEY Trishs 314-631-6022 3	WEBSTER GROVES WEBSTER GROVES SCHOOL	E OFF GEYER RD	1001 • EDMINI N MCIBBL 556-230-7533 3 1005 • SILVA Rechilda 536-256-9623 7 1008 • WILLIG Bob 638-230-3925 1012 • STEMMLER Michael 638-227-3471	2
	WEALTH CODE 9	WHITTINGTON Trisha	BIG BEND NEAR	1 • FESLER Craig 314-965-1745 3 2 • KYMAN Marvin S 314-966-4443 3 • KING Thomas R 314-821-4058 4 • WILLIAMS Dean 314-822-2671 +6	1013 • HOWARD Helen 636-227-7591 8 1016 • TORRALBA Randy 636-391-8867	5 ◆ HAMILTON Ronald 636-394-7133 2 6 ◆ DIXON Lews O0 1 ★ 0 BUS 5 RES 0 NEW
	701 - 751 ODD	LAMB Matthew 314-638-4750 +6 9517 • FEJZIC Sulejman OO +6 SALIHOVIZ Sahina 314-544-3556 +8	LACLEDE STATION RD	5 • MELCHIOR Louis G 314-966-6140 6 • MCDONALD Brian OO 7	*CRAYTON LANCE 636-527-2700 3 SALES 1020 STUCHELL Deena 636-256-3859	COCOA CT 63026
	KIRKWOOD KIRKWOOD SCHOOL DISTRICT	9519 • RULO Patrick OO 3 9520 • KOHLBERG John 314-638-3067 3 9521 RULO Joann 314-544-6789 2	3	7	1021 • ISBELL John A 636-394-8185 7 1024 • BACHMANN Dorothy 636-227-5323 9 1025 • JOHNSON 636-527-3795	FENTON
	PAR LN TO BOGEY LN	SCHNEIDER Kimberly OD 2     W ETTA AVE	5 • BISHOP Monica OO 2 IASSIM Owner 314-963-8366 3	9 • LONG Fankin OO 3 ZHAO Bing 314-822-0245 3 10 • LINDBURG Clint 314-821-5505 9	Christopher J  ★ 1 BUS 11 RES 0 NEW	WEALTH CODE 5  204 DIESTELKAMP 636-305-1145 2
	X LONGVIEW BLVD  701 • PALAGANO Richard OO 2  705 • BROOKE George A 314-822-5520 7	9523 • REESE Judith OO 1 9529 • DECKER Afred OO 3 9533 • BUHLINGER William OO 3 9535 • EAKES E H 314-631-6138	6 • RACE Robert 314-962-1950 7 • PASCOE David P 314-962-4878 8 • KARL J E 314-962-2083 7 9 • BARANYA Gary 314-961-0478 a	11 ■ GRESICK R JJr 314-835-0270 0 12 ■ BEARE J CO 7 ★ BEARE LUCIA V MD 314-966-4648	COBBLE CT 63017 CHESTERFIELD	Stephen
	711	X W VELMA AVE	10 • SUETOS J M 314-962-9043 7 11 • ALLEN Sleven OO 7 12 • MCMANUS Michael Ir 314-961-0696 8	14 ● NELSON Brian M 314-822-7125 9 ★ 1 BUS 15 RES 1 NEW	WEALTH CODE 9	208 ANGLIN JA 536-343-2205 209 XXXX OO 212 JACKSON Knsile 536-343-9217 2 213 VEBS Tent 598-326-5195 4 216 o MYERS Leonard 536-343-1113e 7
	719 • GUIGNON Laura 314-822-3888 2 X BOGEY LN	X W HOLDEN AVE 9613 • BOLHAFNER Robi R 314-544-1833 9617 • DERLETH D 314-631-5286	13	COACH VIEW LN 63005 CHESTERFIELD	14300 - 14319 CHESTERFIELD	217 ENGLISHT 636-305-9997 +6 X ANISE LN
	723 • FELD Joseph J 314-968-5799 8 729 • SHASSERRE Timothy OO 3 X FAIRWAY LN	9621 • WILSON Clarence M 314-544-1367 9625 • LAPLANT Gerald OO 7	17 BRUBAKER John 314-963-1154 +6 BRUBAKER Susan 314-963-1154 +6 • EDWARDS Susan OO 7	WEALTH CODE 9	PARKWAY SCHOOL DISTRICT	302 o KELLEY S 636-349-7065 8 303 XXXX OO 306 XXXX OO 307 o ENGLAND George 636-326-9220 1
	735 • MCCARRY Kathleen OO 9 741 • HOFFMAN Charl OO 8 747 • MAGUIRE George E 314-968-4754	X W LORETTA AVE X W FELTON AVE	19 ● HASSING Martin 00 7  ★ 0 BUS 20 RES 2 NEW	1302 - 1308 WILDWOOD	14300 • ABRAMS John A 314-576-5121 • ABRAMS John A 314-576-1304 14304 • HENDIN Roy 314-453-0003 9 • HENDIN Roy's 314-453-0157 2	310 SHOUP Tracy 536-326-9833 3 311 • BAKER Lela 536-305-0411 7
	751 • PETERING Donald T 314-821-2885  X PAR LN	9759 • YEE Tracy OO 1 9760 • HORINE William OO 8 LACH William 314-544-4715 + 6	CLYDESDALE DR 63126 SAPPINGTON	ROCKWOOD SCHOOL DISTRICT	Children's Line 14307   KAHN Robert 314-878-7577 1 KAHN Robert 314-878-7574 1	315 MCCOY Tommie 636-343-6063 316 o CASEY Allon 636-349-5524 319 XXXX OO
	★ 0 BUS 11 RES 0 NEW CLUBHOUSE DR 63011	9762 XXXX 00 X W ARLEE AVE	WEALTH CODE 8	1302 • LANDERS Ron 636-458-0278 1 • LANDERS Ron 638-458-5447 1 1303 • JACKSON Timothy G 638-273-5167 7	14310 ◆WALLACH Roger W 314-878-1788 Atty 14313 ◆REZNIKOV R 314-434-7772	322 2000 323 2000 X GINGERROOT DR
	BALLWIN BALLWIN	9812 • VIERLING Earl E 314-638-6221  X VIDA AVE  9816 • WHITAKER Frank M 314-544-5486	9100 - 9230 CRESTWOOD	1308 ● HEFFINGTON Donald 636-458-3791 C 1309 ● BELL P 638-405-0054 7	■ REZNIKOV Rick 314-434-4201 14314    ● GOLDBERG Steven CO 3     ★ GOLDBERG STEVEN 314-878-8457 7	330 XXXX OO 331 CISTRUMP Paula 636-326-4188 +6
	WEALTH CODE 9	9817 • KUELKER Richard OO 0 SCHMIDT Eric W 314-544-5510 3	LINDBERGH SCHOOL DISTRICT	1315 • VANCOURT Curtis 638-405-2451 9 • VANCOURT Curtis 638-405-3112 9 X WESTHAMPTON	14318 • NAGLE William 314-439-5401 2 14319 ★ELECTROLOGIST OF 314-576-0767 +8 CHESTERFLD • HARBER Sheldon 314-542-0089 2	334 XXXX UU 335 • GERECKE LA 636-343-2181 1 338 XXXX OO
	X PEBBLE LAKE DR 750 HALL Charley 636-207-7829 0	9824 *FAITH FREEWILL 314-544-9014 7 BAPTIST CH 9826 FARRIS Emest OO 3	CRESTWOOD AREA	WOODS D  ★ 0 BUS 7 RES 0 NEW	★ 2 BUS 12 RES 1 NEW	342 STRUCKHOFF S 636-326-5499 3 343 XXXX OO 346 A FAIINDE M 636-306-9685 0
	752 • KAVANAUGH S K 636-394-0128 7 753 * WOODSMILL 636-227-5158 WILLAGE APTS * WOODSMILL 638-227-8799	9828 • GORE C M 314-631-9621 9	CROSSES EWERS DR	COACHELLA DR 63125 LEMAY	COBBLE HILL CT 63017 CHESTERFIELD	350 GARNER Shawn 314-962-1521 4 351 • MCMILLAN D 636-305-9598 1 354 • MEUNIER Linda M 636-343-8039 1
	VILLAGE POOL 754 • HINDS PHIND G 636-391-7299 756 • GRABLE J S 636-227-1638 O	9833 XXXX 00 9834 • HOFFMAN G 314-631-4175 X W RIPA AVE	X VAUK LN 9100 ◆ KRAMER Keren 314-729-0243 1 9101 ◆ HARTHILL Herold OO 7	WEALTH CODE 6	WEALTH CODE 9	355 XXXX 00 ★ 0 BUS 33 RES 2 NEW
,	759 • BEBEE J 638-391-3992 4 761 XXXX OO 763 • SHINNEMAN Kenneth 638-527-7874 3	9914 • FRY Jason 00 3 9915 • DAUTOVIC Husein 314-544-5215 2 9918 • HOPPER Frederick 00 7	9106 • VANMETER S M 314-849-6086 9107 • KLEFFNER Roger G 314-842-1619 9110 • TENTING Leon 314-843-2813	3805 - 3957	14201 - 14261 CHESTERFIELD	CODORNIZ LN 63026 FENTON
:	765 • MCMAHON Ann 636-527-0798 4 767 • PAPE Ray 636-391-9247 4	9917 • CROW Jean OO 7 9919 • DAVIS David 314-544-6895 8 9920 • FIEDLER Michaile OO 3	9111 • TYLER Steven 314-843-8797 + 6 9114 • YEMM M 314-842-0523 + 6 • YEMM T 314-842-0523 + 6	UNINCORPORATED AREA MEHLVILLE SCHOOL DISTRICT	PARKWAY SCHOOL DISTRICT  14201   MCKINSTRY Hitarie 314-576-6717 3	WEALTH CODE 8
	775 XXXX OC 777 ROSS Elyce 636-527-7553 +6 779 GARNER Alton L 636-527-9316	9921 • RIEDY J 314-544-1274 9924 • CHAMBERS Mark OO 7 9926 • SCHMITT R 314-638-7688 9	9115 KOERNER Kurt E 314-842-3060 9118 • COOPER Joan OO 3 9118 • DIVERS Brice OO 3	CAMINO DR TO VIA MIRALESTA DR	<ul> <li>MCKINSTRY Robert 314-576-6717 3</li> <li>14202 GANS Richard OO 1</li> <li>14207 BEDNAREK H 314-275-2272 3</li> </ul>	1508 - 1599 UNINCORPORATED AREA
5	781 • FILLION James 636-386-3041 1   783 MACDONALD Elaine 636-391-2024   789 • TYRRELL C 636-527-3737e 3	SCHMITT Richard J 314-638-4140 9     SEMENT SIGNATURE SIGNATU	KOPP David A 314-849-63/2 4 9122 • EISELE Raiph 314-843-0998 9123 • JOST Joan OO 3	X VIA MIRALESTA DR	■ QIAN Hailong	ROCKWOOD SCHOOL DISTRICT
8 L 2	o TYRRELL Charles L 636-391-0068e 3 791 FREY Don C 636-391-8941 793 XXXX OO 795 o GEIGER R 836-386-2876 2	9931 DOSS Mehgan OO +6 HULSEY Fred 314-260-9337 +6 9935 LOTT Jeffrey B 314-544-5170 9939 PRATT J 314-631-0104 2	9132 • BOHN J 314-729-7705 3 • BOHN M 314-729-7705 3 9138 • FITZGERALD Elsie OO 7	3800 SPICKARD Carl E 314-544-4159 3805 A TURNER Thos N 314-544-0111	★BERGER ROBERT F 314-514-1554 9 DMD 14215 ● DULLE Richard V 314-878-1473 14220 ● BROWN Kimberty 314-578-2608 +6	X PIEDRAS PKY 1508 • SCHEEL Gary 00 8
i . 6 <del>1</del>	797 • GRASS J 636-227-9225 4 805 DIMZA Eugenia E 636-227-7810 807 XXXX	9949 • MCMULLIN Maryann 314-638-5014 9942 • MCENTIRE Darrel 314-544-1797	X EWERS DR 9200 • SCHMALACKER A E 314-842-1539 9201 • RANDOLPH Mark S 314-842-2925 2	3810 • JENNEMAN Lawrence 314-544-3789 1 W 3811 • STROBACK Gilbert R 314-544-3542 3816 • JACKSON Robt W 314-544-4781	14220 BROWN Kimberry 314-578-2808 +6 14237 BARNES Welfer 314-628-9361 +6 GIL Sergiu OO 3 JOHNSON Christine 314-628-9361 +6	1509 ● MARQUIS V 636-225-4047 X PERDIZ LN
20	809 XXXX CO 810 ARNOLD Kenneth J 636-227-5797 +6 811 XXXX OO	9943 • ARNGRIMSON Lynn OO 1 : 9945 • ECKENFELS Jen 314-631-3629 3 : 9947 • USHER Thomas OO 7	9206 KUNKEL Bleine 314-843-6824 9209 • THOMLINSON 314-843-4744	3819 BOCKWOLDT Neal 314-631-8524 • LONG Susan OO 7 3822 • FOLLMER Jos C 314-544-4028⊕ 1	14243 • CATANZARO Frank Jr 314-469-0344 14244 • MARGULIES Soi OO 4 14249 • SCHIWINGER Michael 314-878-5199 4	1513 • MORROW Jas P 636-225-9480 1516 • CICOTTE Mark J 638-225-3345 1517 • PITZER Gregory OO 1 1521 • WALK Carol OO 7
١.	812 XXXX OO 00 813 • MCHENRY Jerome 638-227-7511 9 814 • SMITH Oramae 636-391-6625 3	9951 • FORAYT Gary OO 7 9953 • HATCH Dariel OO 8 PRICE Cheryl 314-256-0825 3	Imagese   9212	3825 • HAUTLY Marilyn 314-544-1578 7 3828 • BETZ Wm J 314-544-4840 3831 • HUNSICKER Siephen 314-544-4748	14250 ● YANG Chen OO 3 14255 ● LI William W 314-434-6048 14256 ● EDMONDS Robert 314-434-3694	1521 • WALK CARD 1522 • MCNEELY M 635-225-8099 1525 • BARTON Brent 00 3 1529 • KLINGSICK BIII 636-825-9767 2
	815 • DITTMEIER Edwin 638-386-0530 0 818 • MCINTIRE Wm Lee 638-227-1346 819 • JOHNSON Jayce 638-207-7596 4	9959 •FLANDREAU R 314-831-4690 9960 •COBERLY D A 314-631-5935 X SUMMIT AVE	9223 • DAILIDE Gledrius OO 3 9224 • MANSON Mke 314-842-7494 7 9230 • WINTERER Lisa 314-849-3634 0	3834 • MODGLIN David OO 3 3837 • FEARS Don 314-638-4612	14261 • BREWER Jas P 314-542-0293 • BREWER Jas P 314-578-7540 1 BUS 20 RES 3 NEW	1531 • RELLER D 636-861-2250 1533 • DEMPSEY Brian 00 2 1535 • KEEBLER Harold 00 1
	820 CULVER V Christy 636-391-7626 821 • MORAN Robt J 636-394-5480 3 823 XXXX OO	9966 • ELLIOTT S 314-638-7101 2 GRISHOM Ashley 314-638-8198 2 9968 • NEWMAN Themss OO 3	X LAWNDALE DR	3840 • NIKOLAISEN H S 314-544-3491 3843 • MITCHELL Paul W 314-631-7523 8 3846 • SONNTAG Richard OO 7	COBBLEFIELD CT	1537 ◆ALLEN K 636-825-8708 3 1541 ◆ KEEBLER Richard OO 7 1544 ◆ FRANK Lynne 636-861-2652
ii N	825 KARST Douglas 636-394-3962 +6 826 •LITT RG 636-230-6438 2 827 XXXX OO 828 WALLACE Gwendolyn 638-386-8692 +6 829 XXXX OO	9970 • FREEMAN Donald OO 0 HUDSON Thela 314-938-7149 + 6 9972 • PICHA Christopher OO 3	★ 0 BUS 28 RES 3 NEW CLYMER DR 63123	3849 • BENDER Walter L 314-544-4850 O   3852 • DRURY Evlyn 314-544-3817   3855 • MAYFIELD V 314-544-4919   3858 • THRUNE Paul E 314-831-1407	63011 BALLWIN WEALTH CODE 9	1545 • SCHWEIGER Paul 00 9 1549 • BERRY Robert J 636-225-2471 1550 • FLYNN Patricia 636-225-3572
1	828 WALLACE Gwendolyn 636-388-9692 + 6 829 XXXX OO 830 o FRIEDMAN Merllyn 636-207-6886 2 831 XXXX OO	9973 • GROSSER Daniel CO 1 9974 • GOFORTH Patricia 314-838-4788	AFFTON	3858 • I HRUNE Paul E 314-531-1407 3861 • SCHOENECKER RI 314-544-4120 3864 • RIEMANN Geo C 314-544-3818 3870 JUST Gibert A 314-544-3996	203 - 232	1553 • SAMNEE Laura 638-825-2615 4 1556 • MAJHOR Joni OO 3 RANDS Joni 638-225-5953 0 1557 • STRICKER ROBE 638-225-1084
	832 XXXX OO OO 833 o STOGESDILL Larry 638-391-5693 4 B34 o TROWBRIDGE Terry 638-527-4612 1	9975 • BAKER Curts J Mrs 314-544-1026 9976 • MCMULIN James 314-544-4834 0 9977 • BLACKWELDER E J 314-544-0042 8 9978 • SCHWARTZ B J 314-544-0042	WEALTH CODE 6	JUST Kethy 314-544-4619 X TAHQUITZ DR	WILDWOOD ROCKWOOD SCHOOL DISTRICT	1557 • STRICKER Robt E 636-225-1084 1560 • VENEGONI Joseph 638-625-7619 9 1561 • LOWERY Bobby G 636-225-7705 1564 • WHITE Muren 00 7
CT .	836 HAFFNER Lawrence F 636-394-9490 R45 XXXX OO	9980 • HICKMAN E 314-544-6227 8 9981 MICHAEL Mary 314-638-6031 9 • SCOTT Kevin OO 3	7801 - 7833 ST. LOUIS CITY ST. LOUIS CITY SCHOOLS	3900 • SISSON Ron 314-638-1512 1 3908 • GANN Edw C 314-544-3821 • GANN Edward C 314-544-1996	X ENGLEBROOK CT	1565 • DAVES B 636-825-9452 3 1568 • WINFREY Paul 00 7 1569 • KIRKENDAL Chris 636-861-9689 1
	847 *SALES RESOURCES 636-527-2005 +6 INC 849 XXXX OO 851 •HIGHLEY DA 636-230-7154 2	9982 • MCGUIRK Sylvia 314-544-0171 9986 • WINKELER Lisa 314-638-8341 4 9987 • POSTLEWAIT Ron 314-638-2240	X CROSBY DR	3909 • BOYLE James OO 7 3914 • BUSIEK Glen OO 7 3915 • PRESTI Andrew OO 0	203 • FITE Randy 638-273-0038 3 207 • SCOTT Jordan 638-458-4775 211 • NAPOLI Cindy 636-273-4500 3	1572 • FIALA Jas F 636-225-7513 1573 • DOERR Paul 636-529-0565 3 1576 • COOK Patrick 636-225-4663
×.	851 • HIGHLEY D A 636-230-7154 2 853 • HUFFMAN Marion 636-527-0211 3 855 RITCHIE H M 636-227-8498 859 • SOLOMON E 636-368-0112 1	X CHOQUETTE DR  9989 • FETT Emil 314-544-3858 0 9992 • LEVANDOWSKI 00 3	X CRUSDY DR 7801 • FOSHAGE Gregory OO 7 7804 • HOEFFNER Kaitherine 314-631-5352 7805 • BAILEYFALEH A 314-631-4870 7	3920 • MUELKER Henry 314-631- 1612 3921 HORN Nm 314-631- 2640 2 • WOOLSTON David OO 2 3926 FABRIZI Anthony J 314-544-3629	215 • RICH Joanna 638-821-1225 7 216 • RECHTIENE James 00 7 219 • REDDY Remesh 636-405-2567 0	1577 ● SCHNEIDER Steven CO 0 1580 ★C P M SOLUTIONS 636-861-4557 3 ■ MOHR Christopher 636-225-4574
	861 XXXX OO 863 • CLARKE EA 636-230-5502 1 865 WHITNEY Carol C 636-527-7364 + 6	Gerard 9997 CHESTER Robert L 314-631-3341 • SCHULTHEIS Liza 314-638-3599 4	7805 •BAILEYFALEH A 314-631-4870 7 7808 •LENHART Shane OO +6 7809 •BYRD Stefanle 314-631-3326 4 7812 SCHINDLER Rbt F 314-638-8781	<ul> <li>HAGER Juanita OO 7</li> <li>3927 • WALLIS Donald 314-544-1867</li> <li>3933 • MATAYA Joe 314-544-4001</li> </ul>	223 • BARBAN Char 638-458-0100 9 224 • FISCHER John 636-821-1399 +6 227 • BEACH BIII 638-458-6256 3 228 • HARPER KI 638-458-2110	1581 • GOMEZ Adolfo 638-225-9149 1584 • AUSTERMANN Edw 638-225-3883 1585 • PALMISANO Richard 638-225-7549e
	867 • GILL Nancy 636-386-2213 3 869 SHORT Donald E 636-391-1748 871 WHITE KL 636-207-8046 +6	TAYLOR Rebects OO 2 9998 BREIHAN K A 314-544-4524     WEISMANTLE Barry 314-544-5753	7813 • SINN Thos R 314-638-5899 7816 • HOLLANDER A F 314-638-7884 7817 • BASLER Francis S 314-638-3307 9	3939 ● FANK Chas J 314-544-3528⊕ X CAMINO DR	228 HARFER KJ 538-458-2110 231 BAUMAN Martin 536-273-4463 2 232 CALANDRO 636-458-5863 7 Rosemary	1589 • WENDLING Frank 636-225-9598 1590 • VOLKMAN M Beth 636-861-2853 1593 • FROECKMANN David 688-861-9729 1596 • SUNKARD R W 636-225-3810
i I	873 XXXX OO 875 o ROLWES Kenneth H 636-527-0564 3 881 o FULGHAM Norm 636-207-8512 8	9999 • MATHES Richard 314-631-6523 2 • ONKLE Shelley 00 3 X KINGSTON DR	7820 OFALLON James 314-638-0161	3945 • MALONE Jean M 314-544-3572 3951 • URSCHLER Chas F 314-544-4887 3956 • SIELFLEISCH John 314-638-5182	★ 0 BUS 12 RES 1 NEW	1596 • SLINKARD R W 638-225-3810 1597 BOLING Ryan 638-825-6552 +6 • EDWARDS Eddle OO 7 1599 • CRANNELL Carol 638-225-3130
5	883 KURRUS Kenneth G 636-227-1409 885 o JONES E W 636-391-0290 9 887 o MELAD Elloit N 636-227-5354 3	★ 1 BUS 88 RES 7 NEW	7824 • GOEDDE Edw 314-638-8191 7825 URBANEK Raymond 314-638-8197 7827 • ROUSAN B 314-638-1889 O	3957 • CALLAHAN Leonard J 314-631-2338 7 3962 ACKERMAN Russel N 314-544-4124  * 0 BUS 43 RES 0 NEW	COBBLESKILLE DR 63017 CHESTERFIELD	★ 1 BUS 43 RES 1 NEW
9 1 E	891 IVORY N 636-256-0541 +6 893 o BERCAW Don 636-391-8745 3	CLYDE TER 63139 SAINT LOUIS	7829 • FELDMANN Walter OO 3 NASH Scott 314-631-3743 4 7832 • PHILLIPS J 314-638-7580	+ COACHGATE CT (06)	WEALTH CODE 9	COEUR DALENE CT 63017 CHESTERFIELD
E 1.	897 o JUDD Kathleen 636-394-3481 1 899 XXXX CO 901 FISHMAN Myron J 636-394-8598 + 6	WEALTH CODE 6	7833 • CENTO M 314-638-5749 X COMSTOCK DR	63021 BALLWIN  460 *FISCHER & 636-386-8243 +6 FRICHTEL	16429 - 16467 ODD CHESTERFIELD	WEALTH CODE 9
E8	903 • SEWELL Reymond F 636-227-6848 1 X MANSIONHILL DR	6825 - 6833 ODD ST. LOUIS CITY	★ 0 BUS 19 RES 1 NEW	FRICHTEL  ★ 1 BUS 0 RES 1 NEW	PARKWAY SCHOOL DISTRICT  16425 • BERNDT B 636-637-1401	14515 - 14579 CHESTERFIELD
	★ 3 BUS 72 RES 10 NEW	ST, LOUIS CITY SCHOOLS			16429 • SCHUPPERT Henry OO 1 16431 • TABERNACKI Robert 638-532-0004 16433 • PARK Howard 3D Rev 636-532-7564	PARKWAY SCHOOL DISTRICT
		PRATHER AV DR			16437 ◆ STROPE Harry 00 8 X WALPOLE DR	X ROGUE RIVER DR  14515 • BAUMANN Carolyn 00 7  14523 • GRODSKY Myron J 636-537-2074 8
£.		X PRATHER AVE  6825 • CARBAJAL Angel 00 3  6827 • BYRNS Jennifer 314-647-7202 3			16439 • MOORE Dorothy 638-519-0265 0 16455 • MUTHER Gary OO 4 16457 • LEWIS Robert OO 8	14526 • GLAZER Manuel CO 7 14531 • EGGLESTON Chas H 636-532-7167
17 17 17 17 17 17 17 17 17 17 17 17 17 1		war epitatoonime on-trick 3			16459 KIDNEY C 638-728-1106 +6 KIDNEY Charles P 638-733-0651 +6 SCHUMACHER Mary OO 3	14539 • DEMICHELE Anthony 636-537-4240 3 M 14540 • HALLAZGO Enifania DD 3
all.	,				16463 • WALBRIDGE S 636-537-3109 16465 • TAYLOR P A 636-519-1978	14547 • CHRISTOFFEL 636-532-89069 Gregory
			⊕=DO N			

<u>Source</u> Haines Company, Inc.

# **ENGLEBROOK CT 2006**

			SKOOK CI	2000	
192 ENCHANTED PKWY	ST LOUIS SOUTH	THE HAINES	DIRECTORY	2006	
APARTMENTS	BENNETT COMP GONCHER Oard SHIP SHIP SHIP SHIP SHIP SHIP SHIP SHIP	MOGUIRE Brandam 314-927-7945 4  X COVINGTON MANOR LN  ** 0 BUS 90 RES 48 NEW  ENDERBUSH LN (98) 6302-5 EUREKA  ** WEALTH CODE 9  ** 16801 - 16874  ** EUREKA  ** ROCKWOOD SCHOOL DISTRICT  X W WORTH ST  ** 16801 ** WILLEARST Loop  ** 16802 ** FRANKINI ST  ** 16801 ** WILLEARST Loop  ** 16802 ** FRANKINI ST  ** 16803 ** FREBERSW WIBS  ** 16803 ** SARTORS Mark  ** 16804 ** FREBERSW WIBS  ** 16805 **	*** PRITCHARD Jack L. 314-98-978**  *** HUNTSPORT RD**  2304 *** BRERRIT L. 314-98-9244 2 2 301-98-9240**  *** ALENTSPORT RD**  *** ALENTSPORT RD**  *** STAR SERVICE STAR SER	SSS	ENOLA CT 63122 KIRKWOOD  WEALTH CODE 9  1810 - 1835 KIRKWOOD SCHOOL DISTRICT  1810 - PERONA Chalatian 314-699-6912 + 6  1811 - PERONA Chalatian 314-699-6912 + 6  1812 - PERONA J 31-699-6912 + 6  1812 - P
					A .

#### STRECKER RD 2006



# STRECKER RD 2001

TRECKER RD	ST LOUIS S	THE HAINES (CR	DIRECTORY	2000	
RECKER RD 63011 CONT WEIDINGER Frank C 638-627-9387 6 WENING A W 638-527-0706 9 WERNER L 638-527-2822 4 WESSELY Flen C 638-527-2822 4 8 8-8207-3986 6	STRECKER FARMS CT 63011 CONT.  • SCHUBERT Michael J 636-458-6005 6 207 • HOLSER Bruce 638-405-0728 9 • HOLSER Deedee 638-405-0728 9	STREIFF CT 63021 BALLWIN	STUDER LN 63128 SAPPINGTON	STURBRIDGE RD 83131 CONT  *PCIINC 314-214-6899 +0  *PETERSON Michael L 314-986-6042 9  X MASON RD  1 RUS 6 RES 1 NEW	_STURGIS DR
WHELCHEL J R 638-527-3488 6 WHITENER L M 638-230-0510 +0 WILLIAMS Cleda M 636-207-8997 9 WILLIAMSON Myers 638-256-2615 9	211 •MORTON Fred 636-458-9679 9 •MORTON Fred 636-458-9629 9 212 •PORTNOY Kins 636-458-4355 7 •PORTNOY Path 638-458-4355 7 215 •DEPTULA Stanley OO +0	WEALTH CODE 7.0 210 - 214 BALLWIN DOCUMED DE CADOL DISTRICT	WEALTH CODE 8.0  5200 - 5395  UNINCORPORATED AREA  MEHLVALE SCHOOL DISTRICT	STURBRIDGE MDWS RD 63131 DES PERES	1121 • DUNN C M 314-984-0614 1 1124 • FECHTER Robert 314-985-7960 3 1125 • ROBIDOUX Guy E 314-985-4562 1128 • NUCKOLLS T 314-995-7354 7
WILLIAMSON Noise 638-256-2615 9 WILSON Mary D 639-394-8696 5 WINNEMANN D 638-527-3856 +0  WRIGHT Gene M 639-527-3901 +0  WULFMEIER T V 638-227-8475 5	MAGUIRE Linda 638-458-8245 9 218 •NIELSON Tool OO +0 219 •MUELLER Pater E 638-273-463 223 •COUNTRYMAN Louis E 638-405-1351 8	ROCKWOOD SCHOOL DISTRICT  210 CLEMENT Donald L 636-394-9322 211 COX Michael A 636-256-0487	5200 *RODERMUND K PLMBG 314-849-8800 •RODERMUND Kennelin G 314-849-7175 5232 **OUESSEL Stave 314-849-8158 9	WEALTH CODE 9.0 1900 - 1946	1129 • ANDREWS Gary OO 8
YORK E 636-207-8281 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	MERCKCOUNTRYMAN 638-405-1371 8 Louis E 224 •WENKEL Stephania OO 9 228 •THOMPSON M Tad 636-458-9975 7	212 • BROWN Sean OO +0 213 • METZGER Walter E 636-391-0142 214 • MASELTER John E Jr 636-391-8189 X BROOKSIDE L.N	5232 **OUESSEL Steve 31-849-8158 9 5240 **MRIUZIK George 314-849-8371 **MRIUZIK Kathy 314-849-8371 5254 **GRIIMM Deniel OO 7 5264 **MCORE John OO 7	TOWN AND COUNTRY PARKWAY SCHOOL DISTRICT  1900 •LAMASTER Devon C 314-965-5773 8	CAPSHAW Ben 314-984-8192 +0 1139
ZIMMER L 636-391-6910 ZYKAN RE 636-230-9469 8 X MANCHESTER RD	232	* 0 BUS 5 RES 1 NEW STREIFF LN 63011	5276    DUFFNER Reymond G 314-849-7276 7 3D 314-849-8771 5300 9 DINZERACH Michael CO +0 +0	LAMASTER Devon C 314-965-9232     LAMASTER R Craig 314-965-9232     AMBLER Richard J 314-921-5370     AMBLER Richard J 314-922-2346 9	STUYVESANT LN 63011 MANCHESTER
X RUCK RD  48 *HOPE MONTESSORI 636-458-4540  33 *COUCH Gary 00 7  X WALDENS	• MAKELY Kaihiy 638-273-8545 8 240 • FRANKLIN Robb M 638-459-4785 8 243 • WALKOFF J 638-459-9359 +0 • WALKOFF Julie 638-459-6964 +0 • WALKOFF Neil 638-459-6964 +0	BALLWIN WEALTH CODE 7.0	5315 • SIEBERT Russell J 314-849-8340 1 5323 • THUSTON Mark 314-849-8731 1 5327 • PEEK Slewe OO 7 5340 • BALDWIN Brad 314-849-3632 6 ** BALDWIN 314-849-5727 6	1945 • SHIMKLE Brian 314-822-9186 1946 • PENNINGTON Wayne W 314-822-1817  X STURBRIDGE RD  * 0 BUS 7 RES 0 NEW	WEALTH CODE 9.0  1003 - 1000 UNINCORPORATED AREA PARKWAY SCHOOL DISTRICT
MEADOW CT  8 •WELEGALA Charles F 638-458-3370  7 •GAEHLE Geo Jr 638-394-9553  3 *EMERSON UNITRN 636-256-7393 2	244 = 274ANG Whaggen 636-273-590 9 247 • LADG Randal CO 7 248 • WOLBER Christina L 638-458-6568 625 • KELLEY David L 638-405-0383 8	802 - 816 BALLWIN ROCKWOOD SCHOOL DISTRICT	ENTERPRISES INC 5347	STURDY DR 63126 SAPPINGTON	1003
77 ●MCKINNEY Michael OO 8 979 MCKINNEY Diane A 636-227-7431 MCKINNEY Michael 636-527-5304 2 MCKINNEY Michael G 636-227-7431	252 • MURPHY Barbara 636-458-0132 6 • MURPHY John D 636-458-0132 6 264 • LO Sui Ming 636-405-0668 8 267 • MCCOLLISTER'S 636-458-3383 +0	X SKYLINE DR W  802 •SCHNEIDER Dennis L 638-256-7888  803 •VENEGONI Mick 538-227-9831 6	FAUST Miles         314-843-1693           5356         •WINKLER Stephen         OO         7           5363         •WILSON John F         314-842-7451         3           5364         •WICH M J         314-842-0986         3           5371         •BROUK Shiela         OO         7	WEALTH CODE 8 1 8705 - 8878 CRESTWOOD	1005 •WESTMORELAND Joyce 00 7  X AMSTERDAM DR 1007 •MEHTA Hasmuich 636-391-7724 1009 •WILLIAMS John M 636-256-3371 1011 •GALE Norman D 636-227-8877
4	TRANS SYSTEM INC	804 • MCGLIIRK John OO 7 805 • MCBLE Carol OO 88 EICKENHORST Kelly 838-227-7690 +0 EICKENHORST Kelly 838-391-6093 8	5372 POORE BA 314-849-0579 +C  • POORE John E 314-849-0010 1  5379 • BADALAMENTI Joseph OO 7  FRANZ S 314-849-8234	LINDBERGH SCHOOL DISTRICT CRESTWOOD AREA	1011
93	X ENGLEBROOK DR 271 •UYue 00 +0 272 •VEERARAGHAVAN 636-459-5845 7 Seshadri	807 • WOLFF C A 838-391-8511 808 • COOGAN Dennis A 838-227-9487 809 • EVRARD Robt G 838-227-4737 810 • ELKINS Amanda OO 7	5380 • GRAVAGNA Alfred 314-849-8182 5387 • SCULLYLE 314-849-8255 5388 • CARTER Alcia 314-849-3323 +C • CARTER Jack 314-849-3323 +C • CARTER Jack 514-849-5355 +C		1019 •GNECCO Richard A 838-227-8929 1020 •SARTORI C N 638-227-7530 1021 RADEMAKER P A 638-394-4227 6 •WEBB Donnie CO 7
DERKER Kennerin N   636-394-2692	275 GAMBREL G 636-458-1466 7	811	5395 •GRAHAM RICK 00 E X HAGEMAN RD  * 2 BUS 31 RES 5 NEW	BOYER Rodney OO 9     8718 D'Aubert Linda 314-99-8326 8     D'Aubert Linda 314-998-8326 8     D'Aubert Bergio 314-998-8326 8     R728    WEBER Leslie F Rev 314-968-8307	1022
17 ◆DOUGHERTY Kris 636-391-3062 7 ◆DOUGHERTY Kris 636-391-9098 8  X MAPLE LN 21 ◆ELLIS David A 636-391-1737 2	** HAVER'S Floriand CO 0 0  ** W3 CONSULTING 638-458-4900 +0  280 **TRAVER'S Richard CO 9  VERSEMAN David 638-459-9876 +0  ** 2 BUS 46 RES 16 NEW	814 • ROBERTSON Wm 636-391-1320 816 • ELKINS PM 636-394-0895 6 • NICHOLS James 00 7 X SUNSET DR	STUMP CT 63131 DES PERES	8735 •MILLER Robl E 314-968-2896 8738 LUEDECKER Army 314-968-2892 +0 •LUEDECKER Douglas 314-968-5633  X MAEBERN TER 8748 •SCHNITTER Win A 314-965-7670 3	1026 PREBEK 635:39-1364 5 1028 PREBEK 635:39-1864 5 1030 PBEHRMANN Norbert 635:39-19741  X JULIANA DR  * 0 BUS 20 RES 0 NEW
25 *BALLWIN PLUMBING	STRECKER PINES CT (97) 63011 BALLWIN	* 0 BUS 18 RES 1 NEW STROLLWAYS DR 63017	WEALTH CODE 9.0 721 - 776 DES PERES PARKWAY SCHOOL DISTRICT	8758 •NEWBERRY Geo W 314-988-2385 8765 •HALLER Lois 314-821-5127 •HALLER Tyson 314-821-5127 8768 •MASKER Donald 314-822-2329	STYLECREST CT 63126 SAPPINGTON
●DEYOT Tom 636-391-1946  X SUNNYRIDGE RD  37 ●NAVO Daryl 00 7  45 ●BUSS Evelyn 00 8	WEALTH CODE 9.0 1608 - 1624	CHESTERFIELD  WEALTH CODE 9.0	X STUMP RD	X DREW TER  8775 •WRAY Clarence E 314-821-4830  8776 •PARKER Siephen 314-999-1454 7  8788 •CLIVER Paul OO 7  6788 •PHASTIE ROM 314-984-9742 8	WEALTH CODE 9.0 9803 - 9631
JARGON David 636-230-9781 7 49 *BLISS JERRY 636-527-6666 KENNEDY Julia A 636-394-9621 8 49A LAMBATH K 636-527-2238 5 50 •STROHM C L 636-459-5224 6	WILDWOOD ROCKWOOD SCHOOL DISTRICT  1607 MARKHAM Craig W 635-459-4068 9	15188 - 15494 CHESTERFIELD PARKWAY SCHOOL DISTRICT	721	#MBS = MOS W 314-984-94742 8 +MID LAND SUPPLY CO 314-984-94742 8 8795 BARTON M 314-821-9639 9  SONDERMAN Charles CO 8  WATSON RD E	CRESTWOOD LINDBERGH SCHOOL DISTRICT  X OLD SAPPINGTON
•STROHM Jonathan 636-458-6221 3 •STROHM Patricla 636-458-2781 3 *TRACKSIDE 636-458-5550 3 MOTORSPRT	1608 • SCHADE Matt 636-405-1349 9 1618 • LAKEN Roger 636-405-1349 9 1616 • COTTON Christopher OO GUY Shelley 636-405-1564 9	15188 •WESTERMEYER Dale D 636-532-1678 15189 •MAGUIRE John D 636-519-8870 8 15193 •FINK Mike 636-532-0598 15194 •RATTS Wayne 636-532-1367 6	752 •WEHLING Belth 314-821-0208 7 •WEHLING John 314-821-0208 7 •WEHLING Michael 314-965-1668 +0 758 •HANNE Susan CO 8 762 •LIBERATORE Paul Cpa 314-821-6264	8798 •FRIES Carl W 314-821-0413 8808 •MEYER William OO 7 8814 •WALSH A F 314-843-8904 •WALSH Mary M 314-843-8904	PD 9803 •KATICH Zivan J 314-842-7213 9806 •STUTZ Jacob 314-849-0096 9809 •CLARKSON Daniel 314-942-5865
577	1623 ●GRANING Edward S 638-458-7948 8 1624 ●LU Henry CO +0 ★ 0 BUS 7 RES 1 NEW	X ISLEVIEW DR 15205 • HEUTEL Doing 15206 HOGAN Chris 636-519-0866 +0 HOGAN Chris 636-519-0866 +0	768 **CENTRL SAFETY&FIRE 636-230-7223 1	8832 XXXX CO  8833 •CULLEN Rosalle CO  7  8834 •GREMPLER Ronald E 314-842-1284  8836 XXXX CO	9812
RD	STRECKER RDG CT (95) 63011 BALLWIN	PUJAKOUEEK Kevin OO 7   15214   PRUDESILL Lloyd L 638-532-3832 +0   15217   PARTIN Ralph E 656-532-4958   15218   PUEBER Carol OO 7   15218   15218   PUEBER Carol OO 7   15218   15218   PUEBER Carol OO 7   15218   15	* 1 BUS 13 RES 1 NEW STUMP RD 63131 DES PERES	8842	9631 •MAY Wm Z 314-842-0965 * 0 BUS 8 RES 0 NEW  SUANIS CT 63123
215	WEALTH CODE 9.0  1608 - 1644  WILDWOOD  BOCKWOOD SCHOOL DISTRICT	15222	WEALTH CODE 9.0 710 - 12887	8853	AFFTON WEALTH CODE 7.0
SMITH Beverly   636-458-0461   8   832   ARMISTEAD Derry A   636-458-855   7   7   7   7   7   7   7   7   7	1608 BOGARD Craig 636-458-9413 9 1611 ●FIZGERALD James CO +0	15231	DES PERES PARKWAY SCHOOL DISTRICT  710 POHLMAN Wm S 314-822-8122	8880	10902 - 10957 GREEN PARK LINDBERGH SCHOOL DISTRICT
• HANDYSIDE Jack G 636-458-6724 5 348 • CASEY Patrick 636-458-4965 5 • CASEY Susan 636-458-4965 5 352 • LOMBARIDO Kevin 636-405-2666 +0	1612	15415	716 * DUGGAN Henry	8871	10902 • MIKA John H 314-843-5627 10903 • • BESCAN Tim 314-949-2583 10906 • • GERACI Leonard A 314-942-1134 10907 • CURTIS Allan 314-942-7408 4
OLOMBARDO Michelle   636-405-2668 +0	1624 • NIELSEN Neal N 636-459-3262 5 1627 • GUENTZ Ronald A 639-459-1384 5 1628 • MALUF Horacio 636-405-1603 9 1631 • BRAWNER Chuck 636-473-6264 9 • BRAWNER Chuck 636-459-5231 9	15431	739 ●BRITT Patk 314-821-7210 740 ●FUNKHOUSER Chad 314-909-8231   745 ●GOODWIN Nissy 314-835-1679 +1 ●GOODWIN Timothy 314-835-1720 +1 746 ●GUZ Ronald F 314-866-3324	X BARBERTON DR	10915 • WHITENER Francelee 00 7 10923 • NORDHAUS B 314-942-2555 1  X COLCHIS LN 10929 • DULLE Michael B 314-343-3295 10938 • SCHOTT John 00 7
DR X CLAYTON WOODS CT	BRAWNER Pat 638-458-5231 9     BRAWNER Pat 638-273-6284 9     CANNOVA John 638-458-0591 7     CANNOVA Sandy 638-468-0591 7	15446 • DESAI Suresh OO 8  ZAHOUREK Judy 636-519-8996 8  ZAHOUREK Ric 636-519-8996 8  15447 • 9BOOKER Harold OO 7	751 • MUELLER Joseph F 314-965-7924 765 • LOOSMORE Jane 314-965-7789 -LOOSMORE Jaff 314-965-7789 X STUMP CT	DES PERES WEALTH CODE 9 0	19937 •GARDNER Tommy J 314-943-6261 19943 •SCHINDLER Jas G 314-943-8683 1 19948 •LEMBECK E 314-943-5608 19949 •JOHNSTON P J 314-949-5138 +0
04 • GRENDELR W 636-458-2190 2 88 • KRAMPF EMILC 638-458-2802 X TURNBERRY PLACE DR	1634 •GOETZ Kenneth 638-458-9170 5 GOETZ Kenneth Child 639-458-0063 8 1835 •POLUCKET Jaffrey O +0 1637 CURTIS Angela M 638-458-6547 5	15454 • XIA Tian 836-536-0204 4 15468 • RICHARDSON Lorilee 636-532-9852 5 • RICHARDSON Michael 636-532-9852 5 15472 • HARRISON Russell G 636-532-5520	12823    POY Jo 314-622-2466  PROY Larry 314-622-2466  12824    PRINKER Henry 314-621-7469 : 2829  SULLIVAN James E 314-622-3812	1917 - 1944 TOWN AND COUNTRY PARKWAY SCHOOL DISTRICT	10950 • WOODLAND Jeanne 314-849-7144 5 • WOODLAND Tony 314-849-7144 5 10956 • LEONARD J C 314-843-6108 10957 • REINAGEL Bob 314-843-73942  * 0 BUS 16 RES 1 NEW
X STRECKER RIDGE CT X BIG HORN BASIN DR	CURTIS Michael J 636-459-6547 5 1639 •CURTIS Michael OO 8 1640 •NERI John OO +0 ROGERS Richard 636-273-5772 8 1643 •HYILA Timothy OO +0	15485 •MONTE Robert 638-537-4011 +0 SHAWS 638-537-4043 +0 15486 MILLMAN Nancy 638-519-9482 7 MILLMAN Steve 638-519-9482 7 •MULLANEY C OO +0	12835	RURAL ROUTE 13  1917 LAIDET R 314-965-9643 +0  • LAIDET R B 314-965-9844 4	SUBLETTE AV 63110 ST LOUIS
OO   8	1644	15494	12842	1920 MCNABB Terry 314-985-9994 +0 PATTON Bruce 314-921-7499 PATTON S 314-985-5170 6 PATTON Sally 314-821-7499	WEALTH CODE 5 3 1327 - 3477
LEARNING  *ELEGANT CHILD EARLY 636-273-6218 +0  LRNG CNTR  X PRESTWICK PLACE	STRECKER WOODS CT (96) 63011 BALLWIN	BALLWIN WEALTH CODE 80	OJCHLER Dolores 314-821-4882     12853    FLETCHER Kristin 314-822-5253     FLETCHER Tim 314-822-5253     12859    OSHAVER Paul J 314-821-4688	PATTON Sally 314-965-5112 + O  1932	ST. LOUIS CITY ST. LOUIS CITY SCHOOLS  1321 XXXX 00
LN X CLAYTON RD 36 •WAREHALL William OO +0 40 BETERDYA 636-532-1862 6	WEALTH CODE 9.0 1615 - 1622 WILDWOOD	404 - 428 BALLWIN ROCKWOOD SCHOOL DISTRICT	* 0 BUS 31 RES 3 NEW STURBRIDGE RD 63131	X STURBRIDGE RD * 0 BUS 11 RES 3 NEW STURGIS DR 63122	1327
●PETERDY J OO 9 34 ●JOHNSON Melvin OO 7 ★ 12 BUS 342 RES 48 NEW	ROCKWOOD SCHOOL DISTRICT  1606 HOMMEL Barbara 636-459-0577 6 HOMMEL E 638-459-0577 6	404	DES PERES WEALTH CODE 9 0	KIRKWOOD  WEALTH CODE 8.0	1343 **DUBIN H J Mrs 314-844-3945 X DALE AV 1509 **MIDWST IND CHEMICAL 314-781-5831 1525 **MCKENDRY Jewel OO 5
RECKER FARMS CT ) 63011 BALLWIN	HOMMEL Hardy 636-273-5080 7 1610 CLOTHIER Dean 636-458-2266 8 CLOTHIER Dean 636-273-5858 +0 CLOTHIER Inge 636-458-2266 8	412 •MORGAN Brad 536-394-0804 9 •MORGAN Dawson 536-394-0804 9 415 •FIELDS Gary 536-230-0890 •FIELDS Helen 536-230-0850	13826 - 13888 TOWN AND COUNTRY PARKWAY SCHOOL DISTRICT	1100 - 1139 KIRKWOOD KIRKWOOD SCHOOL DISTRICT	1601 **MEDICAL SYSTEMS INC 314-644-0100 5 1625 **THOMPSON AC HTG 314-644-7000 SPL **THOMPSON SUPPLY 314-644-7000 CO
WEALTH CODE 9.0 202 - 280 WILDWOOD ROCKWOOD SCHOOL DISTRICT	1614 XXXX OO 1615 BAUM Scott M 636-405-2915 9 HOSKINS Anna 636-405-2671 +0 1618 PRECE Debby 636-405-0672 +0	416 FORTUNATO Vivian 636-391-0531 8 419 •JACOBS Wm A 636-391-9103 1 420 •SHIPLEY Norm 638-229-9037 2 423 •THARENOS Ann 636-394-7029 9 **THARENOS Ann 636-394-7029 9	13826 •MANTYCH Elizabeth 314-909-9173 •MANTYCH Gregory 314-909-9173 13890 •BURKHARIOT Dankel A 314-821-4477 X STURFIELD LN	8 1100 BAILEY Soott J 314-835-0296 +0 3 X MANCHESTER RD 1103 •WILLIAMS Matt 314-965-9403	1627 *A M F ELCTL CONTRS 314-647-4066 *FRISELLA JOHN C ELC 314-647-4066 1631 **OACCIATORE Frank 00 *LETTERPRESS 314-645-8834
12 • KRAHMAN Thos 636-458-6907 5 33 • KISH Kelly 636-458-8024 6	**REECE Grag         638-405-0672         +0           1619         *KAPRELIAN Grag         636-453-4537         6           *KAPRELIAN Pat         638-458-4537         6           1622         *HOBIN L         638-463-4505         5	●THARENOS David 638-994-7029 9 424 ●KARL Jeffery 639-227-4628 ●KARL Lisa 638-227-4628 428 ●GOLDENBERG Sluart 636-391-6981 7 ★ 0 BUS 15 RES 1 NEW	13660 *ULIMAN Hillard 00  X STURBRIDGE  MDWS RD  13688 COFFMAN Jay D 314-965-2240	7 1107 •TROUT Christa 314-966-1055 5 •TROUT Peter 314-966-1055 5 1110 WRIGHT Maria A 314-935-1929 +0 1111 •SCHLICHTER Henry C 314-921-7926 9 1114 •CHRISTY Daniel O	PRINTNG

<u>Source</u> Haines & Company, Inc.

# COBBLEFIELD CT 2001

LYDE AV	ST LOUIS S	THE HAINES (*	DIKECTURY	2000	
LYDE AV 63125 CONT 9929	.CLYDESDALE DR 63126 CONT 9224 • KOETTING C OO +0	COACH N FOUR LN 63131 CONT 12 * BEARE J BYRON MD 314-966-4648	COBBLE HILL CT 63017 CONT 14243	CODORNIZLN 63026 CONT 1564 • WHITE Myron OO 7	_COFFEE TREE CT 83129 CONT.  •HIGGINS Thomas R 314-487-3835 +4
9931 •WILLIAMS Albert 00 7 9835 •LOTT Jeffrey 00 7	9230 WINTERE Rob 314-849-3634 +0 • WINTERER Lisa 314-849-3634 +0	*BEARE LUCIA VIDAL 314-966-4848	14244	1585 •GALDIERRI Gary 636-861-0135 +0 1568 •WINFREY Paul OO 7	3646  COUGHLIN K G 314-892-2472 3647  CROWE Robert L 314-894-9415
9939	X LAWNDALE DR	14 • NELSON Brian M 314-822-7125 9 * 4 BUS 15 RES 2 NEW	14250 •YANG Chenhsyong 314-434-0937 •YANG Chenhsyong 314-434-1903 4	1569 •KIRKENDAL Chris 636-825-6753 +0 1572 •FIALA Jas F 636-225-7513	3650
9942		COACH VIEW LN (96)	14255 •LI William W 314-434-6048 14258 EDMONDS Nacmi 314-434-3694 2 EDMONDS Robert 314-434-3694 2	1573 ●MEEHAN Bridget 636-225-5447 7 ●MEEHAN Thomas F 636-225-5447 7 1578 ●COOK Terry L 636-225-4663 5	X GUMTREELN
9945 • MYERS John OO 8 9947 • USHER Thomas OO 7	CLYMER DR 63123 AFFTON	63005 CHESTERFIELD	14261 •BREWER Jas P 314-542-0293 •BREWER Jas P 314-578-7540 1	FORESTER John R 636-225-4663 5	X LEMAY WOODS DR 5604 •FUCHS Aloys G 314-945-2219
9951		WEALTH CODE 9.0	* 1 BUS 19 RES 2 NEW	1580 •MOHR Christopher 636-225-4574 1581 •GOMEZ Adolfo 638-225-9149	5611 •KENNEY M A 314-487-8268 •KENNEY Mark 314-487-5659
●HATCH Daniel OO 8 9959 ●FLANDREAU R 314-631-4690 3 9960 ●COBERLY D A 314-631-5935 6	WEALTH CODE 5.0 7801 - 7833	1302 - 1315	COBBLESKILLE DR 63017	1584 • AUSTERMANN Edw 636-225-3883 1585 • PALMISANO Richard 636-225-7549	5612
X SUMMIT AV	ST LOUIS CITY ST. LOUIS CITY SCHOOLS	WILDWOOD ROCKWOOD SCHOOL DISTRICT	CHESTERFIELD	1589 WENDLING Frank 636-225-9598 3 1590 • VOLKMAN M Beth 636-861-2853 4	5619
9966 • ELLIOTT Suzanne OO +0 9968 • NEWMAN Eric OO +0 9970 • FREEMAN Donald OO +0	51.2000 0111 00110020	1302 • JUSTIS Richard 636-273-5603 9	WEALTH CODE 9.0	1593 ●FROECKMANN David OO 8 1596 ●SLINKARD R W 636-225-3810	
9970	X CROSBY DR 7801 FOSHAGE Gregory 00 7	1303 • JACKSON Timothy G 636-273-5167 7 1308 • HEFFINGTON Donald C 636-458-3791 6	16425 - 16467 CHESTERFIELD	1597    BURKHART Randy 636-861-1668 2 1599    CRANNELL Carol 636-225-3130  * 0 BUS    48 RES    5 NEW	COFFEY CT 63126 SAPPINGTON
BRUNS E 314-544-1348 • YESBERG Terry OO +0	7804    HOEFFNER Kathenne 314-631-5352 7805 BAKER Edw M 314-638-2752	1309 •BELL P 636-405-0054 7 1315 •VANCOURT Curtis 636-405-2461 9	PARKWAY SCHOOL DISTRICT		
9974 •GOFORTH Patricia 314-638-4766 6 GORFORTH P 314-638-0621 ±0	●FALEH Jalil OO +0 7808 ●POTTER Mark 314-638-0092 7	VANCOURT Curits 636-405-3112 9     WESTHAMPTON	16425 BERNDT B 636-637-1401	COEUR DALENE CT 63017 CHESTERFIELD	WEALTH CODE 8.0 1001 - 1039
9975	7809	WDS DR	18429 • APEL Robert OO 7 16431 • TABERNACKI Robert 636-532-0004		CRESTWOOD LINDBERGH SCHOOL DISTRICT
9977 •BLACKWELDER Eugene 314-544-0024 8 9978 •SCHWARTZ BJ 314-544-0042 9980 •HICKMAN E 314-544-8227 8	7813	COATBRIDGE CT 63021	16433	WEALTH CODE 9.0 14515 - 14579	CRESTWOOD AREA
9980	BASLER Francis S 314-638-5421 2     BASLER Francis S 314-638-3307 9	BALLWIN	MOORE Rick 638-519-0265 +0     18455    KEYS Wm Bruce Jr 636-537-3923    6	CHESTERFIELD PARKWAY SCHOOL DISTRICT	CROSSES LIGGETT DR
X CHOQUETTE DR	*BASLER FRANCIS S 314-638-5844 3 CONTR	WEALTH CODE 9.0	18457		V LICOSTT DD
9986	7820 O'Fallon Tim 314-638-4072 9 • OFALLON Jas D 314-638-0161	1001 - 1025	16463 WALBRIDGE L 636-530-1591 4 WALBRIDGE S 636-537-3109 3	X ROGUE RIVER DR 14515 •BAUMANN Carolyn 00 7	X LIGGETT DR
9989 •FETTE 314-544-3656 +0 9992 •LEVANDOWSKI Dorothy 314-544-0989 +0	7821 •KUHLMANN Edward OO 7 7824 •GOEDDE Edw 314-638-8191	MANCHESTER PARKWAY SCHOOL DISTRICT	16465	14523 •GRODSKY Myron J 838-537-2074 8 14526 •GLAZER Marruel OO 7	WILLIAMS Dorothy 314-962-9652 -1 1007
9894 CATO Roland OO 8 9897/2 CHESTER R 314-831-3341 4	7825 URBANEK Raymond 314-638-8197 7827 •ROUSAN Brenda 314-638-3589 +0 •ROUSAN F 314-638-1889 +0	1001 *CENTRL STOREFRONT 636-230-0709 7	* 0 BUS 14 RES 2 NEW	14531 • EGGLESTON Chas H 636-532-7167 14532 • SCHOONOVER John D 636-519-8676 +0	1010 • SANDREH M A 314-962-9614 1013 • HARRIS V 314-961-2857 1019 • KOHN Russell 314-961-9698
9998 BREIHAN K A 314-544-4524 6 99981/2 WEISMANTLE Barry 314-544-5753	7829 •FELDMANN Walter 314-538-1889 +0 7832 •PHILLIPS Donald 314-638-7580	1001 * CENTRL STOREFRONT 636-230-0709 7 SYSTEMS INC  • HILBOLDT Patrick 636-391-9195 6	COBBLESTONE LN 63011 BALLWIN	14539	1024 PHOGAN Sandra 00 H 1025 PDUSSLING Herbert M 314-961-0063
WEISMANTLE Kathryn 314-544-5753 ★ 1 BUS 82 RES 17 NEW	9PHILLIPS Donate 314-638-7580 •PHILLIPS Judy 314-638-7580 7833 •CENTO M 314-638-5749 1	HILBOLDT Patrick 836-391-9195 6     HILBOLDT Theresa 636-391-9195 6     SILVA Damie OO 7		14547 • CHRISTOFFEL Gregory 636-532-8906 14548 • HURST R 636-532-3740 5 • HURST Ronald E 636-532-3225 5	1029 • ALLEN Bill 314-902-6963 • ALLEN Len 314-902-6963
CLYDE TER 63139	X COMSTOCK DR	1008 • WILLIG Bob 636-230-3925 5 • WILLIG Liz 636-230-3925 5	WEALTH CODE 9.0	SANDERS E K 636-537-2521 5 14555 • MARNER Gene 636-532-4462	*ALLEN S Len 314-982-1641 1030 HAUSMAN Wm E 314-961-0879
ST LOUIS		1012 •STEMMLER Michael 636-227-3471 4 1013 •HOWARD C OO 8	2-6 BALLWIN	14556 ◆HAGGERTY Ronald L 636-532-7154 14563 ◆DEGRANDE Kenneth OO 7	OPPERMANN Michael
WEALTH CODE 5.0	COACHELLA DR 63125 LEMAY	1016 MISEROCCHI Art 638-391-8867 MISEROCCHI Carol 636-391-8867	PARKWAY SCHOOL DISTRICT	14571 LINDER Burt 636-532-1571 +0  •LINDER S L 636-532-4297	THEIRL B 314-961-8982 1033 • ROSE Haberta 00 SCHOENSTEIN Robi W 314-962-8035
6625 - 6833		TORRALBA Randy 636-230-0622 9     TORRALBA Teresita 636-230-0622 9     TORRALBA Teresita 636-230-0622 9     TORRALBA TERESITA 636-230-0622 9     TORRALBA TERESITA 636-230-0622 9	2 •MUELLER Helene 636-527-4084 +0 3 •WILLIAMSON Clyde P 636-384-4136	14579 • SCHUCHAT Pamela 636-532-4789 • SCHUCHAT Stanley 636-532-4789	SCHOENSTEIN HOOLW 314-962-8035 SCHOENSTEIN Tasha M 314-962-0668 1037 • GILLIAM James Wayne 314-961-9214
ST, LOUIS CITY ST, LOUIS CITY SCHOOLS	WEALTH CODE 6.0 3800 - 3962	1017 •CRAYTON Lance OO +0 LEPOIDEVIN Dana 636-207-8667 9 1020 •STUCHELL Deena 636-256-3659 2	4 •MILLER Irvin R 636-227-0373 5 XXXX OO	X WINEMA DR * 0 BUS 18 RES 2 NEW	1039 •MIDDLETON Chas G 314-961-3412 + NATL SOFTBALL 314-962-8200
PRATHER AV DR	UNINCORPORATED AREA MEHLVILLE SCHOOL DISTRICT	1020 •STOCHELL Deena 036-206-3809 2 1021 •ISBELL John A 836-394-8185 7 1024 •BACHMANN Dorothy 636-227-5323 9	6 •SEELEY John A 636-227-8742 4 X KINGRIDGE DR	COFFEE SPGS DR 63129	ASSNUSRF  * 1 BUS 20 RES 3 NEW
X PRATHER AV	CAMINO DR TO VIA	1025	* 0 BUS . 5 RES 1 NEW	MEHLVILLE	COFFEY DR 63126
6825	MIRALESTA DR	COBBLE CT 63017	COCOA CT 63026	WEALTH CODE 9.0	SAPPINGTON
6833 •WEBSTER Martha 00 9 X CENTRAL AV	X VIA MIRALESTA DR	CHESTERFIELD	FENTON	6751 - 6849	WEALTH CODE 7.0
* 0 BUS 3 RES 0 NEW	3800 •SPICKARD Carl E 314-544-4159 3805 •TURNER Thos N 314-544-0111 5	WEALTH CODE 9.0	WEALTH CODE 6.0	UNINCORPORATED AREA MEHLVILLE SCHOOL DISTRICT	900 - 981
CLYDEHURST DR 63119	3810 • JENNEMAN Lawrence OO 7 3811 • STROBACK Gibert R 314-544-3542 3816 • JACKSON Robi W 314-544-4761	14300 - 14319	204 OWENS Harold 636-349-1923 6	X CRIPPLE CREEK DR	CRESTWOOD
WEBSTER GROVES	3819 BOCKWOLDT Neal 314-831-8524 6 •LONG Susan OO 7	CHESTERFIELD PARKWAY SCHOOL DISTRICT	OWENS Marie 636-349-1923 6 205 XXXX OO	6751	CRESTWOOD AREA
WEALTH CODE 7.0	3822	14300 • ABRAMS John A 314-576-5121	208 ANGLIN J A 636-943-2205 209 POLASKI L A 636-305-7252 9 212 XXXX OO	6757	CROSSES LIGGETT DR
3 - 19 WEBSTER GROVES	●HAUTLY Rudy 314-544-1578 7 3828 ●BETZ Wm J 314-544-4840	14304	213 WEBB T 636-305-8129 9 216 MYERS Leonard 636-343-1113 7	KING Frederick CO S     F763	
WEBSTER GROVES SCHOOL DST BIG BEND NEAR	3831	•WASSERMAN Harmon 314-469-7104 •WASSERMAN Harmon 314-469-7010 1	217 WILLIS Monica 636-305-9634 9 X ANISE LN	SCHELBACH Jeannine 314-846-7130 +0     F764    GOEDE Kenneth J 314-846-5323     F770    SCHEFFEL Mathias Jr 314-846-5436 4	901 •BALLANCE Nova 314-985-9869
LACLEDE STATION RD	3837	14310 •WALLACH Jan 314-878-1788 4 •WALLACH Roger W Alty 314-878-1788 4 14313 •REZNIKOV Cindy 314-434-4201 5	302 KELLEY Shirley 636-349-7065 8 KELLEY Victor 636-349-7065 8	X STORM LAKE DR	907 •MCGUIRE M M 314-981-3678 910 •SHOULEY Jos E 314-981-5279
3 ●JUZENAS K M 314-981-9047	MITCHELL R 314-631-7523 8     3846    SONNTAG Richard OO 7	14313 • REZNIKOV Cindy 314-434-4201 5 • REZNIKOV Rick 314-434-4201 5 14314 • GOLDBERG Sleven M 314-878-8457 7	303 XXXX OO 306 BROWN Walter F Jr 636-343-9564	6800	913
WOLFF Carl C 314-961-9047 9 4 •SCHERZINGER Mark OO 7 5 •VANHOVEN Jennifer 314-918-1635 8	3849	OD 14318 • ERLENBURSCH Felix 314-469-6920	307 XXXX OO 310 RUSHING W L 636-343-4407 4	6807	922
VANHOVEN Jennier 314-918-1835 8     VANHOVEN Stephen 314-918-1835 8     RACE Robert 314-982-1950	3855 •MAYFIELD V 314-544-4919 3858 THRUNE Evelyn 314-544-1275 +0	14319	311 BAKER Lela 838-305-0411 7 314 TAYLOR Monte E 838-305-0677 9 315 MCCOY Tommie 838-343-8063	6813   KUENZLE Frederick OO 6818  REECHT Kenneth OO +0	928 STANLEY Albert DO
7 PASCOE David P 314-982-4878 8 KARLJE 314-982-2083 7	●THRUNE Paul E 314-631-1407 3861 ●SCHOENECKER RI 314-544-4120 3864 ●RIEMANN Geo C 314-544-3818	HARBER Sheidon Chid 314-542-0229 +0 X STRAWBRIDGE DR	318 CASEY Allen 636-349-5524 3	6819 •GLATZ Jas J 314-846-2555 6824 •COVINGTON Angela 314-846-3212	934 •ARNOLD Elinor 00 GARAVAGLIA D 314-918-8717
9 BARANYAI Gary 314-961-0478 10 SUETOS J M 314-962-9043 7	X TAHQUITZ DR	* 0 BUS 14 RES 1 NEW	X GINGERROOT DR	OCOVINGTON Neal 314-846-3212 318-846-3212 318-846-3212 318-846-3250 318-846-3250 318-846-382 318-846-380 318-846-380 318-846-380 318-846-380 318-846-380 318-846-380 318-846-380 318-846-380 318-846-380 318-8460-380 318-8460-380 318-8460-3800-380 318-8460-380 318-8460-380 318-84000-3800-3800-3800-38000	937 •TAVENNER Barbara 314-963-4436 •TAVENNER Robert 314-963-4436 940 •HENRY B.K 314-988-4038
11 •ALLEN Steven 314-982-1581 7 12 •HUBBLE Dianna 00 7	3900 •SANDERS Harold G 314-544-3816 3908 •GANN Edw C 314-544-5821	COBBLEFIELD CT (91) 63011 BALLWIN	330 TAUL Richard 636-349-5051 6 TAUL Tonya 636-349-5051 6	6831	943 •KRAUTERBLUTH Keith 314-983-4412
13 • TAUL Bob 314-918-0151 +0 • TAUL Melanie 314-918-0151 +0 14 • HEBEL Steven K 314-962-6099	GANN Edward C 314-544-1998 7 3909    BOYLE James		334 XXXX OO 335 XXXX OO	6836	949 •WOODS Nancy 314-951-0189 952 •KENDALL Neal OO
15 SMITH Michael 314-962-9634 6 SMITH Tracy 314-962-9834 6	3914 • BUSIEK Glen OO 7. 3915 • PRESTI Andrew OO +0		338 •MRAZEK Ronald R 638-343-6722 339 WEAVER Leelle 638-343-8526 342 •FLOYD James 638-349-5971	6838 XXXX OO 6842 •BUCK Melinda 314-848-4802	955 •BOLLINGER C 314-951-8255 956 •SETZEKORN C Y 314-962-0696
17 *DOLAN C M 314-963-9928 5 18 XXXX 00	3920 •MUELKER Henry 314-631-1612 6 3921 •VOLK John A 314-544-3843	203 - 232 WILDWOOD ROCKWOOD SCHOOL DISTRICT	342	6843	●SMITH Wade 314-968-9242
19 •HASSING Jane 00 7 X BIG BEND BLVD	X CAMINO DR 3926 FABRIZI Anthony J 314-544-3629	HOURINGS SCHOOL DIGITION	350 XXXX OO 351 DIXONE 638-349-4540 4	KENNY Joe 314-846-4386 +1     RASS KROPNIG M H Chirl 314-848-8481 +1	
* 0 BUS 20 RES 2 NEW	•HAGER Juanita OO 7 3927 •WALLIS Donald 314-544-1867 3933 •MATAYA Joe 314-544-4001 8	X ENGLEBROOK CT	354 MATUSHEK Robi J 636-305-7961 +0 355 XXXX OO	NROENIG Mark H 314-846-6930     * 0 BUS 33 RES 7 NEW	COIL CT 63026 FENTON
CLYDESDALE DR 63126 SAPPINGTON	•MATAYA Julia 314-544-4001 8 3939 •FANK Chas J 314-544-3528	207  SCOTT Beth 636-458-4775 4	* 0 BUS 34 RES 2 NEW	COFFEE TREE CT 63129	
	3945 •MALONE Leo 314-544-3572 3951 •URSCHLER Ches F 314-544-4887	211 •LAUFER Cindy 636-458-5829 •LAUFER Wm 636-458-5829	CODORNIZ LN 63026 FENTON	MEHLVILLE	WEALTH CODE 7.0
WEALTH CODE 8.0	3956	215 •RICH Joanna OO 7 216 •RECHTIENE James OO 7 219 REDDY Ramesh 636-405-2567 +0		WEALTH CODE 9.0	X COIL RD 5C JINKERSON Jennifer 836-343-8630
9100 - 9230 CRESTWOOD LINDBERGH SCHOOL DISTRICT	3957 •CALLAHAN Leonard OO 7 3962 •ACKERMAN Russell N 314-544-4124 * 0 BUS 46 RES 4 NEW	223	WEALTH CODE 8.0 1508 - 1599	3800 - 5623	C JINKERSON Jim 836:343-6530 5 MONACO Treece Tia M 636:349-5574
CRESTWOOD AREA		<ul> <li>BUSCHMANN Mary 636-458-2848 6</li> <li>BUSCHMANN Mary 636-458-5754 +0</li> </ul>	1508 - 1599 UNINCORPORATED AREA ROCKWOOD SCHOOL DISTRICT	UNINCORPORATED AREA MEHLVILLE SCHOOL DISTRICT	WHALEY R L 636:543-9988 8 XXXX 00
CROSSES EWERS DR	COACH N FOUR LN 63131 DES PERES	227 • FLYNN Barb 636-458-6166 9 • FLYNN Gary 636-458-6166 9		3800 •MUELLER Leoan 314-418-8872 +	9A JOHNSON Joyce 696-343-7097 9B MCGRIFF Linda 636-349-2321
V WATERIA)	WEALTH CODE 9.0	228	1508 •SCHEEL Gary OO VEILLETTE Paul 636-225-6020 1509 •MARQUIS V 636-225-4047	B 3601 •APPEL Frank 314-894-4677 : 8 3602 •CASHEL Brian 314-416-4490 :	9D WATKINS William D 3D 636-349-7698 9C WICHERN R 636-305-9684 10 APARTMENTS
X VAUK LN \$100	1-14	9BAUMAN Theresa 636-458-6191 8 232	X PERDIZ LN	3 3605 •DELK Mel Jr 314-487-7644 3606 •MORAN D J 314-894-3023	E COLEMAN Chris 836-305-7631 E COLEMAN Lynn 836-305-7831
9106	FRONTENAC LADUE SCHOOL DISTRICT	* 0 BUS 19 RES 2 NEW	1513 •MORROW Jes P 636-225-9460 1516 •CICOTTE Mark J 636-225-3345 1517 •HOTARD George OO	2 3810 •RIESS Anthony P 314-845-8485 : 1 3811 •HARIBAUGH R W 314-894-2675 8 3614 •GLASER Thos H 314-487-0003	F HAPNER Kara 636-305-1753 A HAUMESSER Jeff 636-305-7191
9107 •KLEFFNER Roger G 314-842-1619 9110 •TENTING Leon 314-843-2813	FRONTENAC AREA	COBBLE HILL CT 63017	1517 PHOTARD George OC TRAPP Cory 636-861-1524 TRAPP Douglas 636-861-1524	7 3618 PTUCKER Greg 314-845-6128 7 PTUCKER Gregory R 314-845-9308	D MATTSON B E 636-326-1204 WALLACE Russ 636-305-7879
9111	E OFF GEYER RID	CHESTERFIELD	1521 •WALK Carol OO 1522 •MCNEELY M 636-225-8099	7 3619 •WITT David J 314-894-3544 : WITT Tiffany 314-894-0914 +	138 MHAZ HUGOIPh 536-343-0903
9115 •KOERNER Kurl E 314-842-3060 9116 XXXX 00	1 *DECLARATIONTr OO +0	WEALTH CODE 9.0	1525 •TAYLOR Stephen OO + 1529 •LOUGHRAN Brian W 636-861-0811	0 3622 SHIPLEY Jackie 314-487-0881 • SHIPLEY Shirley 314-487-0681	13A SANDERS Pat 636-326-1023 9 14 MRAZ Don 636-326-1413 MRAZ Janet 636-326-1413
9118 •COOPER Robert 00 +0 9119 •DIVERS RobIM 314-843-6979	JENSEN David 314-821-0542 JENSEN Loretta 314-821-0542	14201 - 14261 CHESTERFIELD	1531 • RELLER D 638-861-2250 1533 • BRANDON Cheryl 638-225-0527	3 3623 •ACKERMANN Lesa OO + 4 YOUNG L 314-845-6535 +	IN THE PARTY OF TH
9122 •EISELE Ralph 314-843-0998 5 9123 •WILD Arthur 00 7 9132 •JOHNSTON R M 314-843-4777	*MANAGMT ADVISORY 314-822-3500 S GROUP	PARKWAY SCHOOL DISTRICT	●BRANDON Robert 638-225-0527 1535 ●BOOKSTAVER J T Jr 638-225-3229	3627	18B OLSTEN Eugene J 636-349-9269 18C WILLIAMS Gloria J 636-326-1826
9138 FITZGERALD Elsie OO 7	2 •KYMAN Marvin S 314-968-4443 3 •KING Charmaine 314-821-4058 6	8 14201 •FORBES John M 314-275-7546 1	1537	8	X MAJOR DR * 0 BUS 23 RES 5 NEW
X EWERS DR 9200 •SCHMALACKERA E 314-842-1539 9201 •RANDOLPH Susan 00 9	◆KING Thomas R 314-821-4058 € 4 ◆HERZOG Peler OO 7 5 ◆MELCHIOR Louis G 314-966-6140	MCKINSTRY Hilarie 314-576-6717 ++  MCKINSTRY Robert 314-576-6717 ++  14208 • SEXAUER Mary C 314-514-9823	1544	5 TEASDALE DH 314-416-9825 5 TEASDALE Donald 314-487-3437 9 3631 • ERARD Eugene P 314-892-0050	1
9201 • RANDOLPH Susan OO 9 9206 • KUNKEL Blaine 314-843-6824 9209 • THOMLINSON R W 314-843-4744	6 •PLATIN Mitchell OO 8 7 •WETZEL Alfred OO 7	14214 *BERGER ROBERT F 314-514-1554	1549 •BERRY Robert J 636-225-2471 1550 •FLYNN Wm J 836-225-3572	3634	COIL RD 63026 FENTON
9212 •SWENGROS Ray 314-843-1834 9217 •WALTERS Robert D 314-849-1312	8 *ERNST EDWIN C JR MD 314-822-1272 2 9 XXXX 00	2 14215 •DULLE Richard V 314-878-1473 14220 MELOCHE Urban J 314-514-0345	1553 •CLUGH Lauren OO 1556 •MAJHOR Joni 636-225-5953 +	7 3638 •SMITH William OO 0 3639 •ATKINSON Donald 314-894-1798	7 WEALTH CODE 7.0
9218	10 ●LINDBURG Clint 314-821-5505 S ●LINDBURG Mirnsle 314-821-5505 S	3 14237 •GIL Carmen 314-542-0161 : •GIL Carmen 314-542-6160 :	1557 • STRICKER Robt E 836-225-1084 1560 • VENEGONI Joseph OO	9 9PONA Michael 314-845-9423 9 PONA Tracy 314-845-9423 3643 9HIGGINS Diane 314-487-3835 +	9 100 SCHNARR Bob 636-305-7850 0 102 XXXX 00
9223 BROWN Kalen A 314-729-1123 +0 •SCHRADER Stephen OO +0	11 ●GRESICK R J Jr 314-835-0270 +0	GIL Carmen 314-469-0540	1561 ●LOWERY Bobby G 636-225-7705		

<u>Source</u> Haines & Company, Inc.

# **ENGLEBROOK CT 2001**

	STLOUISS	THE HAINES (CR SS S)	1	ENNIS A
CHANTED PKWY 63021 CONT * HEALTHQUARTERS 638-391-6363 * MCARTHUR&ASSOC 636-256-0500	ENCHANTED PKWY 63021 C DURAN Cipriano R 636-391-0689 EMBRY Eddio 638-207-7162	8 552 MORAN Vivian 636-227-0589 1287	RBURY DR 83125 CONT.	ONT ENGLEBROOK DR 63011 C 1532 • SCHULZ William OO 1535 • SCHULMAN Randal OO
*MCAHIHUH&ASSUC 636-256-0500 *SPORTS&FITNESS 636-256-0500 MANGMNT CORP	EMBRY Rachel 636-207-7162 C LOBKO Mikhail 636-207-1522	7 556 •MCCLELLAN Julie 636-207-8376 8 • MCCLELLAN Bichard 636-207-8376 8	BANDER Zufer 314-416-7426 7 2331 •FORTH Richard John 314-846-8177 BERRY Paincia 314-416-4895 +0 2332 •KENKEL James S 314-846-8780	1536 •GENTILE Joseph OO *TECHNICAL 636-273-5728
201 * CURTIS WILLIAM T DC 636-227-4151	ROLENS Bridget 636-227-9823	5 559 OTTENAD John C 638-256-3109 8	7 BURAZEROVIC Murat 314-416-8261 8 X HEMPLINE RD	ASSISTANCE BUREAU
* PRIMARY CARE 636-227-4151 CHIROPRACTIC	SIDDIQUI A 696-527-0585 J WEI Liqiang 696-527-3731	+0 563 ●EVERSON Flichard G 636-227-7552 +0 564 ●SMITH David Ward 636-256-3534	DELUCA Brian 314-894-3375 +0 2343 •MURRAY Robi P 314-846-1290 LAMPASI Brenda M 314-892-2784 +0 2348 •BALLANCE Wayne 314-846-8682	* TECHNICAL 636-273-5727 ASSISTANCE BUREAU
★RADIOLOGY 636-256-7779 CONSULTANTS	300 APARTMENTS	567 PANG Alan W DMD 636-227-4002 568 GEOGHEGAN Kevin 636-394-3611 1290	9 STORY   01 314-894-0280 +0   0040 #104-0280 + 0   044-045 0000	*TECHNICAL 636-273-5758 ASSISTANCE BURIEAU
MIDWEST * WEST CO PHYSICAL 314-918-7241 +	AHMAD Farah 636-258-4838	8 572 •BODDUPALLI Sekhar 638-227-2230 6 1295 +0 573 •EMERY M L 636-230-7625 4	APARTMENTS 2355 •BAKER Daniel OO	+0 1544 • FLOYD Mark OO 1547 • BALFE Beatriz 636-405-0415
MEDICINE	LIPPY Jarrod B 636-391-9135	+0 576 ALI Mohammed CO 7	KAULING Jodi 314-416-7459 +0 •KETHERSIDE Kalle 314-846-0804	6 BALFE Timothy 636-405-0415
<b>★WORTH MATTHEW E</b> 314-918-7241 + DC	ROBINSON Thomas 638-207-8514 WILLIAMS Rodney 638-207-9354	9 577 •MUELLER David 636-256-6951 +0 580 •OHARE Thomas OO 7	KOLASKI John 314-416-1831 ±0 2361 • RENNER Mildred 314-846-9094 9 SCHOEMEHL Melanie 314-487-5272 ±0 2388 • SUCI LAD Georgia 314-888-8500	1548 • BROWN C 636-405-0645 • BROWN D 636-405-0645
FOREST LK WEST APTS CARNES Ondv 636-391-0910 +	YAHL Lloyd V 636-256-7612	9 581 XXXX OO 9 585 XXXX OO	SUCRO Inajetovic 314-416-4271 9 2367 •WINTERS Margarel 314-846-7380 •WINTERS Margarel 314-846-7380 •WINTERS Wayne 314-846-7380	1551 • SCHEBAUM Mernii OO 1555 • BEREYSO Kelly 638-405-1994
CARINES Robert 636-256-0854 + 2 CONARDY Brands 636-207-5948 +	302	X MERAMEC STATION 1295.	2372 PROSSER Dolle 314-846-8355	g • BEREYSO Mike 636-405-1994 1556 • DOUGHERTY Chuck 636-458-5974
* FOREST LK WEST APTS 636-391-9090	ANTRIM S 636-386-4156	+0 RD	MANOR I N • PROSSER Wm J 314-846-2250	DOUGHERTY Chuck 636-458-8986
3 HOFF Brian 636-391-4096	B FELDHAUS E 636-386-3312	+0	* 0 BUS 107 RES 53 NEW 2373 *MCINNIS WIT 314-846-4557 MCINNIS WIT Chid 314-846-1652	+0 1559 • RANCILIO Danna R 638-458-6818
9 PATEL Bhakti 636-256-4546	J JACKSON Richard 636-394-3947 D LEWIS Amanda 636-391-3261	ENDERBURY DR 63125	DERBUSH LN (98)  2378 •STREET S 314-846-2570 •STREET Sandra 314-846-2554	+0 1560 •KUYKENDALL John 636-458-8631 +0 •KUYKENDALL John 636-458-8620
PETERS H A 636-386-0839 + 6 RAJAN Govind 636-207-1019	LEWIS R 636-230-5893		25 EUREKA	+0 1563 •MEIER Ronald W 636-458-0506 1584 TANNER B 636-458-1655
8 REICHMAN Nelson D 636-227-4279 11 SIDDIQUI Ata 636-256-8334	F MCINTOSH E M 636-527-7036 RILEY Levertis 636-394-0844	WEALTH CODE 6 0	16802 - 16870 2384 •FULLER J 314-846-5144	5 •TANNER Barry 638-458-6787 • TANNER Isabel 638-458-6787
105 HARMAN Kerin 636-227-9576	G ZAHIR Mohammed 636-256-0438	8 E OFF HAWKSTONE LN	2385 •CAMPBELLJ 314-846-2927	1567 • TROIN Diahann 635-458-0409
SALISKI David 636-227-0484 +	307 XXXX 00		2405 •VANDOVER Kevin 314-846-1132 2410 •ICENHOWER Craig A 314-846-0465	8 • TROIN Michael 636-458-0409 1 1568 • CHARLES L OO
SALISKI Tracie 636-227-0484 ±	400 APARTMENTS	X BROOKVILLE DR 1680	2 ●FRANKLIN Shelta OO +0 2411 ●WILLIAMS D 314-846-2692 5 ●MOYER Keuin 836-838-4379 9 2416 ●TAYLOR Wm R 314-846-2904	+0 1571 OHOLMAN Norman OO 1572 OWILLIAMS Edgar OO
STEINBECKER Christy 636-386-3377 + YETTER Tawnya 636-227-9576	E HASAN Masoodul 636-527-2795 KLINE Sasha A 636-227-1954	†0 1221 APARTMENTS	<ul> <li>MOYER Sharon</li> <li>636-938-4379</li> <li>9</li> <li>2417</li> <li>KOENEN Michigal</li> <li>314-846-2484</li> </ul>	3 1576 TOPIK Daniel 636-458-4260 7 TOPIK Suzette 636-458-4260
FOREST LK EAST APTS DOBRY B 636-386-3601 +	C LEWIS B 638-256-9210	9 9 MCFARLAND Rachael 314-845-9897 +0 1680	9 •BLUM Richard OO 9 2423 •ARRIOLA Romulo OO	7 1579 • MURPHY C M 636-458-5783 1580 • JADWIN David OO
GASOSKE E 638-230-5708 + G MCINTOSH Amy 636-230-8311	D MUNINIS SBBN 930-230-3005	+0 1 PROTOLIPAC Cory 314-487-2706 +0 1681 +0 SIMMS Litasha C 314-894-8567 +0	KRAUSE Phil 636-938-7576 +0 2429 •KOHNEN Jerry 314-846-8738	2 * 3 BUS 43 RES 8 NEW
G MCINTOSH Array 838-230-8311 PARIKH Vaishali 838-527-2521 +		+0 5 THOMASSON Ellen 314-892-5160 4 1681 9 5 THOMASSON Pat 314-892-5160 4 1681	7   **KURTZ K	ENGLEWOOD CIR (91)
PHILLIPS Tiljuanna 636-386-0344 +	SANDERS James 636-256-0129	8 TOMAS Mirko 314-894-7404 +0 1689	5 JOHNSON Randy 536-938-3475 +0 2440 **BUSCH Henry V 314-846-9589 5 COLIEGE Barbara 536-538-3418 +0 2441 MEYER Elmer D 314-848-4518	63026 FENTON
SCHLEMAN Jenniler 636-207-0484 SCHLEMAN Roy 636-207-0484	G WESTERMAYER Stephen 636-207-8942	+0 1229 APARTMENTS	SCHEER.Jrm 636-938-3618 +0 2446 •MILLER.Cheryl 314-846-4452	в
WALKER M C 638-527-4246 + ZAMBELLI Brandi 636-256-8894 +	401 APARTMENTS	10 ALDRIDGE Charles 314-894-3329 +0 1683 3 GIBSON K 314-894-6018	<ul> <li>HATHAWAY T 636-938-7234 8 2452 OHLAU Greg 314-846-8298</li> </ul>	6 WEALTH CODE 6 0
A + MANCHSTR COMMONS 636-256-0122	B AKINS Mike 636-207-8823 A ALBIBI Rajai 636-394-4297	+0 HAINES J 314-416-8528 +0 +0 MCALLISTER Matthew 314-845-7386 +0 1684	●HATHAWAY Term         636-938-7012         8         2453         ●GORDONESPEY Julia         OO           1         HARRIS Daniel Jr         636-938-3924         +0         2458         ●NEWTON Jas M         314-846-4135	Y SALINEDD
FOREST LK WEST APTS 4 BECKER Tom W 636-230-9246	BROWNEM 636-227-4214 JONES John W Jr 636-386-3964	5 SIN S 314-892-3243 9 1694 +0 TADLOCKF 314-845-8914 9 1694	HARRIS Mary 636-938-3924 +0 2459 •KOHL Scott CO 2 ORERBECK W.E. 638-038-4081 +0 2465 •WATSON Richard CO	7 X SALINE RD 7 4 •ENGLEMAN M 636-343-0094
COYLE M.A 638-207-7753	KERIN Andrea 636-230-0440 MCGUIRE Major 636-391-5567	9 1229 1684	5 COGHLAN David OO 9 2471 ANDERSON Maurice 314-846-3489	B X MEMORY LN  * 0 BUS 1 RES 0 NEW
EVERINGHAM David 636-207-1864 HENDERSON Jeffrey S 636-230-6978	MCGUIRE Vanessa 636-391-5567 MOUSER Stephen 636-391-2861	+0 COVINGTON Jason Paul 314-416-9295 9	<ul> <li>ZIERENBERG Jonathon 636-938-3184</li> <li>2506</li> <li>KASTEN Edward D</li> <li>314-846-1758</li> </ul>	9
JOSEPH Tresa 636-394-8267 JUNK Aaron 636-230-8412 +	NAENI Saeid 636-394-7792	+0 1 DOYLE Steven 314-894-2943 5 1686	9 TURNER Mark 636-938-1273 +0 • WEISBROD Clyde 314-846-9158	ENGLEWOOD TERRACE
RUYLE L 636-230-0980	PATEL Kanaryalal 836-230-0790	+0 6 JONES Barbara 314-487-5720 8 8 9 MCKEEVER B 314-416-4208 8 1687		CT 63017 CHESTERFIEL
APARTMENTS B AGUAS Ricardo 636-256-8407	WATSON Casey 636-256-0344	+0 MRKONJIC Miodrag 314-416-8536 +0 1683 SMALLEY Krista 314-416-1025 +0		+0 WEALTH CODE 9.0
ALI Syed 638-391-9166 + A RAPDLE C M 638-256-4915		1230	2519 •SHELTON Anni 314-846-6306	2129 - 2190
HOLLOWAY Delsa 636-230-6584 +	CLARK Jeremy 636-527-0259	+0 MCFADDEN Gary 314-845-8616 +0 EN	DERWOOD PL (99)  • SHELTON Gary 314-846-6306 25 ELIDEKA 314-846-2907	CHESTERFIELD ROCKWOOD SCHOOL DISTRICT
HUTCHINGS J R 836-230-7564 E JAIN V K 636-527-4090 +	D GAENG William J 636-256-9674	8 ADAMSE 314-487-9193 5	25 EUREKA • SHRINIVAS Raman 314-846-0274	8 8
SHANSY Paula 636-207-8104 +	KING Kara L 638-207-1767	+0 COPELAND Shannon 314-416-0895 9 +0 DAIGLE Tiffany 314-416-0513 +0	731 - 736 • RIEXER Marion 314-846-4337 EUREKA 3577 • GOELJ ED John P 314-846-4347	6 2129 •KABBES David 636-527-2996
APARTMENTS IA ASSI Gus 636-394-5592 +	TUCKER M 638-227-6040 B WASSER-Miller Jane 638-388-3205	+0 GAULDEN Clifford Jr 314-845-0759 8	ROCKWOOD SCHOOL DISTRICT 2528 •MATHI Barbara 314-846-8926	3 2130 •MALONEY Jos A 638-230-7631 2133 •KO J 636-527-8883
A1 CHANDRA Swakumar 636-230-3402	UIII CON D-1 800 507 4100	+0 ZORGER David 314-416-4802 9	2534 •CLARK Ronald OO 5 JACKSON Stacy L 636-938-9457 9 9 9 VOLING Reg 314-846-5431	8 2134
A1 CHANDRA Thenn 636-230-3402 3A JAYARAMAN Genesh 636-527-8874 +		1238 BOTHE Mario 314-845-6540 +0 73	0 MESSERIA Dan 638-938-1123 +0 2540 •BENTEL Jeff 314-846-7884	8 2138 •WIDENOR Jeffrey 636-230-7331 •WIDENOR Sally 636-230-7331
LU Jiangang 636-394-0253 3 MONTAGNE Kevin 636-207-7908	E COSENTINO Julian 636-227-3699	1 1242 HAWKINS Wardell D Jr 314-416-4367 +0	MESSERLA Phyllis 636-938-1386 +0 WINEBRIGHT S L 314-846-2109	4 2141 •MCCARTHY Raymond T 636-227-8741 2142 •BENZAQUEN Brenda 636-227-0509
PARSONS W R 636-227-4098 VISHWAJIT Sinha 636-527-0788 +	ISHAQUE Mohammad 638-527-1831 J LISTON Mary 636-230-8965	9 HAWKINS Wardell Jr 314-416-4372 +0 7 1244 XXXX OO 73	MESSEHLA Phylis 636-938-1123 +0 •ALLEN Sharon 314-846-1678	PBENZACUEN Max 636-227-0509 PBENZACUEN Max 636-227-0509 7 2145 •MORGAN Daniel M 636-227-4117
APARTMENTS	D MARQUARDT R A Rev 636-391-1337 B PARACHA Mohammad 636-386-0517	+0 1248 BAER Chris 314-892-8530 +0 1250 KENNISTON Mark E 314-892-0929 9	SMITH Kalhileen A 636-938-7310 9 2546 • WAUGHAN G E 314-846-1751 SMITH Timothy R 536-938-7310 9 2547 • VAUGHAN G E 314-846-1751	2146 • FALCOFSKY Sheryl 636-227-0382
BOYLE Ern 636-230-3308 BOYLE William 636-230-3308	C PUCKETTB 638-391-2845	+0 1251 APARTMENTS 73	6 PPETRY Deborah 636-938-7477 9 2550 •MUHPHY Glann H 314-846-2949 •PETRY Million 636-938-7477 9 2551 •WHALEY John H 314-846-2949	FALCOFSKY Thomas 636-227-0382 FALCOFSKY Thomas 636-527-3730
ESKEW Mark 638-391-8763 + *J W MEDICAL BILLING 638-386-5500 +	WILLIAMS Lekisha 636-207-5992	+0 5 BENFIELD Raymond 314-416-8170 +0 5 BENFIELD Wichelle 314-416-8170 +0	* 0 BUS 10 RES 5 NEW 2557 •LANIGAN Jas R 314-846-2241	9 2149 •RUDEN Paincia 636-227-8535 •RUDEN Walter 636-227-8535
SERVICES	405 APARTMENTS AFTAB Mohammad 836-386-3987	10 BERBLINGER Matt 314-845-9674 9 - N 1	GLAND TOWN RD 2561 • ZEUSCHEL Donald 00 2562 • BURMESTER D 314-846-4726	7
F KHAN Baziur Rehman 636-391-3059 D LITTLE Clint 636-230-3821 +	Mileter	4 FRANCIS Don 314-416-0730 +0 631	29 MEHLVILLE X WESTCLIFFE DR	8 2150 •ROGERS Chuck 636-394-0520 •ROGERS Jeannie 636-394-0520
PIPKIN Angie 636-391-9649 G SANDERS Ulas 636-391-9725	G FINK Steven 636-207-1487	+0 1251	2567 ●GARNATZ Joel OO	7 X TERRIMILL TER
APARTMENTS	D PAUL Julie 838-227-9312 D PAUL Steve 636-227-9312	9 1252 XXXX OO 1254 GUZIEWICZ Jeanne 314-892-3578 +0	WEALTH CODE 8 8         2568         ●THACKER Daniel         OO           2573         ●PUGLIESE A         314-846-1003	7 2153 •AGARWAL Kamel 636-391-1596 •AGARWAL Vijay 636-391-1596
BECERRA Kim 636-527-9030 CHOWL 636-227-9423	ROSE Barbara 636-394-0285 ROSE Ronald R 636-394-0285	+0 1255 APARTMENTS +0 AUREICHON Ton 314-416-8431 +0	2101 · 2580 2574 • MOHABBAT Kamala 314-846-3058 UNINCORPORATED AREA 2579 • PRIESCHER Grecony 314-846-0758	8 2157 •YANG Syaulan 636-527-2667 2 2161 •VINCENT Jerry C 636-394-6142
DUJMOVIC Mira 636-256-9846	SOLLIDAYK 838-230-5782	+0 6 KARCIC Edin 314-845-8680 +0 +0 MCNAMARA Mark 314-894-6883 +0	MEHLVILLE SCHOOL DISTRICT 2580 • ZANDER D 314-846-1949  ** 3 BUS 131 RES 13 NEW	9 • VINCENT Norma 636-394-6142
KHAN Gohar 636-256-7570 + * MIDDLEKAUFF AND 636-391-8298	405	2 SIEVEKING Darren 314-487-4481 3	ACTREDIANA CO. 7	2162 •GRAHAMJ 838-207-1544 •GRAHAMR 636-207-1544
ASC SOMMER Kathleen 636-207-9442	X LYNWOOD FORE	THOMPSON GG 314-467-3000 3 THOMPSON George E 314-845-6313 3 210	2 BILL Walter OO +0 ENGLEBROOK CT (92)	PEARSON-Graham Janet 636-207-8193 2165
13 GRAF B 636-207-1670	DR	4 WINES Donnie Jr 314-416-1815 7 210	8 •RICHTER Joanna 314-293-1173 +0	2169
MOORE B 636-207-0293 PHUNG Binh 636-230-5381 +	501 APARTMENTS	1256 ROTH Linda 314-487-9269 5 1258 BURGESS Geo W 314-487-8646 211		2170
15 BAUR R M 636-207-8354	ALSHANSKI Mary M 636-394-4875 10 BOBER Rebecca 636-386-3538	X HAWKSTONE LN 21	4 •LECLAIRE Geo 314-846-0601 CLIFF CAVE RD 1802 - 1819	2173 • MAHA Ken 036-230-0744 2174 • LODES Kevin P 636-230-7740 2177 • EDMONDS Andrew OO
MITCHELL Margaret W 638-207-0094	10 BOBER Tom 638-398-3538 3 EDWARDS Irene 638-227-6466	9 BEANY Tim 314-845-2748 8 213	0 ●LEIBLE Chalmer J 314-846-0639 WILDWOOD	2178 CAIN Steven P 635-230-5180
WHITE Dan 838-527-3880 17 GOEHLER Kay 636-391-7999	3 EDWARDS K D 636-227-6466 ELMUBARAK Osman 636-207-9873	9 1263 APARTMENTS 213 9 ABDIHODZIC Hidajet 314-416-7980 9 213	6 ◆SIMS J 314-846-0402	2182 • BUSCH Greg 835-227-9790 2185 • SHANG Boy OO
HANDING M E 636-230-8947 PILAKOVIC Sellk 636-394-5188	2 OGLESBY Jason 636-386-3154 2 OGLESBY Sarah 638-386-3154	+0 AVWAD Wael 314-894-4920 9 213 +0 7 RISCUITWALA Dipak 314-487-2025 6 213	2 BARRY E Michael 314-846-1240 1501 SPALT Derrick 636-458-6670	9 2186 BURKEY Bob 636-394-4845 • MOLLER Jeanne 636-391-5497
SEN Sandeep 636-230-0297	PICKER Troy W 636-207-5729	+0 4 KENNEDY Roxanna L 314-894-3784 210 9 3 MUELLER Agron 314-487-9203 +0	KELLEY Patrick 314-293-1085 +0 1515 XXXX 00	2189 •YELYASHOV Gary OO
BIRK Jeff 638-207-8057	USCHOLD Edward R 636-394-3078	+0 5 NEZIC Emir 314-416-1821 +0 213	8 CAREY Stephen J 314-846-6869 X STRECKER FARM	S X SYCAMORE DR
KAZMI Syed 636-207-8527	5 WESTON Ray Jr 638-386-3378 WILSON Deborah 638-388-3378	+0 1284 XXXX 00 21	4 •MALLE Sam 314-846-0302 4 1588 SCHLUETER Chas 636-405-0319	→ A RUS 42 RES 11 NEW
LIU Baoquan 838-230-7826 1 MATTHEW Alexander 638-256-4947	501 APARTMENTS	1266 BEQUETTE Mary 314-416-1686 +0 21 BEQUETTE Ted 314-416-1686 +0	5 MODONOUGH Martin J 314-846-0150 X STRECKER RD MUIR CASTLE LN 1872 MRCWW Barban Karry 638,458,8590	. ENNIS AV 63119
21 AHMAD Dehir 838-230-8587	BOAZ Aaron 638-207-9311 DOSS C 636-391-3035	8 1268 XXXX CO 211 +0 1270 ENGLAND Damon 314-487-1462 +0	0 *MCCORMICK&CO 314-846-4407	WEBSTER GROVES
BRESSIE J 636-230-0702 GAMMON K 636-277-5894 +	1 DYSON Jesse 638-394-7929	7 1271 APARTMENTS 215	1 ●DELARBER Linda 314-846-4216 1611 ●FORD Curtis 00	7 8 9 WEALTH CODE 2 0
WACIURI Lucy 636-391-3867 +		+0 BYARS Dawn 314-416-8057 +0 215		7
HARP Nicholas 636-527-1033 +		+0 5 LEVERENZ J A 314-845-0429 9	YERWOOD DR	7 +0 802 - 1010 EVEN WEBSTER GROVES
HASSETT Robert 636-227-0124 APARTMENTS	3 VOLZ A 636-207-8283	9 NEWELL Curis 314-48/-/912 3 221	6 •ROBERTS Lowell 314-846-6514 6 1619 •SILBERBERG M A 636-458-9965	WEBSTER GROVES SCHOOL DST 805 - 1009 ODD
4A BAILEY Robert S 636-207-6232 CONNER Brian 636-256-3926	503 APARTMENTS DESJARLAIS Belty 636-227-4116	1272 BEYER C 314-845-1555 +0 22 0 1278 HINGHES A 314-845-0280 9 22	2 •FAHY James 314-846-0285 6	ROCK HILL WEBSTER GROVES SCHOOL DST
3A HUMES E 636-258-6832 JACKSON Thelma L 638-230-5458	DESJARLAIS Belly 036-227-4116 DESJARLAIS Edward 636-227-4116 R HERRMANN Paul 636-230-5185	9 1278 XXXX OO 22 9 1279 APARTMENTS	•SEIM Kelly 314-846-4888 9 COO44 DAIL 14/14	ROCK HILL AREA
WILLMAN Shannon C 638-230-5298 +	4 JANUSZEWSKI William 636-227-2190	+0 9 CHAUHAN Anii 314-845-8021 6 22	8 •JONAS Mary M 314-846-2173   63011 BALLWIN 3 •ORANSKI George OO 8	AGNEW TO LITHIA AV
APARTMENTS	4 JANUSZEWSKI William 636-527-3098 1 MEDINA H 636-527-9307	7 LUNTT 314-894-0561 +0 22:	4 PPIFFNER C K 314-846-8705 5 WELL THEODER A	AGREY TO LITRIA AV
2A ASSI	5 WEAVER CL 636-207-8446	+0 LUNI Tami 314-894-9329 +0 +0 3 ROSE Bill W 314-892-8145 22	2 *BUCHHOLZ JOHN D 314-846-2244 LETI DESIGNAL COMETS 214-846-2244 1504 - 1580	802 • JAMES Richard 00
HAMIRANI Muhammad 636-394-4192 + HERB M 636-256-8463	503	10 SHANKAR Krishnan 314-416-8102 +0 22-	8 FERNANDEZ James OD 7 WILDWOOD	805 CHISM Annie OO 806 DEADMON Anita 314-918-0162
2 JONES Gary A 636-207-7646	BYRNE T 636-207-7643	8 WALTMAN Benjamin 314-894-2501 +0 22	0 •SKAGGS Monte OO 7	808 •BETTS Jas E 314-962-7113 812 *DANNYS 314-962-8717
2B KLEIN B J 636-230-0073	MCGUINNESS G 636-256-3763	9 1279 WATSON SCOTTH 314-894-0349 FU 22	6 MARTIN Laura 314-846-2475 4 1500 DEGROEVE Dirk 636-273-6452	+0 RADO&ELCTRNC
MITRA Manoranjan 636-394-4717 + UPADHYAY Rakesh 636-207-0731	D 506 LAMASTUS David 636-230-8350 MURPHY Arthur 636-256-8009	9 1280 XXXX OO +0 1282 EUSEBIOD 314-416-8493 9 22	2 •MUELLER Glenn T 314-293-1903 +0 1505 •SCHPERO Fred 636-458-5866	7 900 • BREEDEN Edw OO
WU Yuwei 636-227-9969	REYNOLDS Jason 636-256-2505	9 EUSEBIO E C 314-416-8493 9 22 9 1284 XXXX OO 22	8 *TURKOVIC Mike 314-846-8856 1508 *NORTH Tom 636-273-4359 4 *PRITCHARD Aaron 314-846-4583 5 1509 *GARRETT Mikel 636-558-8091	+0 901 • CAREY A B 314-968-4028 +0 904 • LAMBKINS Anna 314-961-3773
X ENCHANTED CT	540 PRONHAM Alison CO	+0 1286 XXXX OO .	PRITCHARD Jack L 314-846-5976     HUNTSPORT RD	7 LAMBKINS Kerth O 314-961-6532 9 907 •LAY Walter OO
APARTMENTS  D AHMED Nazir 638-207-9492 +		3 BOIKO Olga 314-487-9406 +0 23	2 •LONG Lowell OO 7 1516 •CONLEY Enc OO	8 908 •SELDERS John 00
A ANDERSON Michael 636-227-9823 BHOWMICK Debu 636-527-0288 H	5 544 • QAYUM Tahir 636-207-0698	7 2 DULANEY June 314-845-3490 1 23 8 FISCHER Mary 314-892-4853 9 23	4 BISHOPRD 314-846-4710 1520 MUELLER James 636-458-9883	7 910 •WHEELER Ethel 00 7 911 •ROGERS Dwayne 00
		7 GLAMOCAK Aida 314-892-5461 +0 23	5 AMSLER Shirley 314-846-9928 8 1528 DOERFFEL Ed 636-458-8684	7 912 XXXX 00
BHOWMICK Madhumita 836-527-0288 ± BORGMANN Kristine 836-527-3773 ±		RICHARD Cassie 314-845-5815 +0 23 WEAVER Robert 314-487-1159 7 23		7 916 •DOUGLAS Gary 314-961-0397 +0 •DOUGLAS Winled L 314-961-1076

APPENDIX H

**RESUMES** 



# Kaitlyn Mitchell Project Manager/Environmental Scientist

#### **EXPERIENCE SUMMARY**

Ms. Mitchell is an Environmental Scientist with eight years of experience providing technical support for clients in the government and private sectors. Major area of expertise includes Phase I ESAs; NEPA reporting; hazardous materials surveys including asbestos, lead, mold, and household hazardous waste; demolition and abatement contractor oversight. Project support in these areas includes task management; technical report preparation; environmental field sampling; quality control and quality assurance for environmental field work; compliance inspection/determination; scientific data collection and analysis; and client communication. Ms. Mitchell has also worked extensively on creating proposals and cost estimates to finalize time critical submittals. She has participated in emergency response training for the EPA dealing with chemical, biological and radiological agents.

#### RELEVANT EXPERIENCE

#### **Environmental Analysis and Permitting**

Phase I Environmental Site Assessment, Verizon Wireless. Ms. Mitchell has completed many Phase I ESAs, which included an on-site assessment followed by a detailed records review of the site. Environmental risk was identified followed by determination if further sampling was recommended.

#### Unified Government of Wyandotte County, Kansas City, Kansas

Ms. Mitchell prepared multiple Phase I and Phase II ESA reports for targeted Brownfield assessments for hazardous and petroleum sites in Wyandotte County, Kansas City, Kansas. Ms. Mitchell's responsibility for the Phase I ESAs included assessing potential RECs and writing reports providing conclusions regarding potential RECs and recommendations for further work. This project included interpretation of an EDR database report, historical aerials, historic topographic maps, and city directories.

# Martin Marietta Materials, Phase I and Phase II Environmental Site Assessments for Multiple Sites in Colorado and Wyoming

Ms. Mitchell prepared multiple Phase I ESA reports for Martin Marietta Materials in Colorado as part of a property acquisition. Ms. Mitchell's responsibility for the Phase I ESAs included assessing potential RECs and providing conclusions regarding potential RECs and recommendations for further work.

# Citadel Plaza Redevelopment Area Area-Wide Phase I Environmental Site Assessment of 156 Parcels, Kansas City, Missouri

#### **EDUCATION**

M.E., Project Management, University of Kansas, 2017

B.S., Environmental Science, University of Kansas, 2010

Minor, Geography, University of Kansas, 2010

#### **AREAS OF EXPERTISE**

**Project Management** 

Phase I ESAs

Asbestos, Lead-Based Paint, Mold

**NEPA** Reporting

**Environmental Sampling** 

#### KEY TRAINING/ CERTIFICATIONS

40-hour OSHA HAZWOPER with 8-hour Refreshers

CPR and Standard First Aid

AHERA Asbestos Inspector

Current Asbestos Inspector License for the State of Iowa, Missouri, and Nevada.

#### **OFFICE**

Kansas City, MO

#### YEARS OF EXPERIENCE

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#### **CONTACT**

816-412-1742

Ms. Mitchell was performed an area-wide Phase I ESA on 156 parcels within the Citadel Plaza Redevelopment Area generally bounded by residential housing, wooded land and East 60th Street, the east side of Prospect Avenue to Bruce R. Watkins Highway, 63rd Street and Brooklyn Avenue in Kansas City, Jackson County, Missouri. Numerous RECs were identified associated with the subject property and surrounding properties including the following sources of contamination: area-wide asbestos contamination in soil, dry cleaners, gas

stations, former filling stations, former printers, and auto repair/auto service stations either on the subject property or hydraulically upgradient. Phase II field activities were recommended to address the RECs found during the area-wide Phase I ESA.

Phase II Environmental Site Assessment, Nebraska Department of Environmental Quality, Omaha, NE. Ms. Mitchell conducted site assessment of soil, groundwater and building materials to determine the extent of contamination at an industrial plant in West Point and Lincoln, NE.

Phase II and III Environmental Site Assessment, EPA Region 7 START Contract. Ms. Mitchell conducted site assessment of soil to determine the extent of lead contamination for areas in the state of Missouri where previous lead mining activities occurred. Samples were taken from residences throughout two counties.

**Emergency Response Training, EPA Region 7 START Contract.** Ms. Mitchell has participated in level A emergency response training for the EPA Region 7 START Contract that included a variety of situations including radiation release and unknown biological hazard release scenarios.

#### National Environmental Policy Act (NEPA) Reports

Ms. Mitchell has completed NEPA reports in conjunction with a private telecommunication company's environmental site assessments (ESAs). The scope of work for the NEPA report includes NEPA Categorical Exclusion checklists, consultation with state and local agencies to evaluate the presence of threatened and endangered species, historically significant structures, sensitive areas, wetland delineations, biological evaluations, sacred Native American lands, and flood hazards on or near the subject properties. Because construction of cellular communication towers are federally regulated projects by the Federal Communications Commission (FCC), new cellular towers and certain collocations projects are subject to Section 106 consultation in accordance with the Advisory Council on Historic Preservation – 36 CFR 800 – and the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings. Ms. Mitchell maintains contact with all individuals involved in the NEPA and Section 106 processes, including the client, archaeological and architectural historians, site acquisition consultants, engineers, state agencies including the United States Fish and Wildlife Service, state conservation agencies, SHPOs, tribal entities, and citizens identified through public involvement.

#### **Enforcement and Compliance**

American Recovery and Reinvestment Act (ARRA) Inspections, Mississippi, Ohio, New York, New Jersey, Pennsylvania, South Dakota, Missouri, Nebraska, Iowa and Kansas

Ms. Mitchell conducted ARRA inspections across the United States in 2010 and 2011. The inspections were conducted at sites who had obtained ARRA funding for projects such as wastewater and water treatment plant upgrades, well installations, storage, water line installation, pump stations, construction projects, etc. The purpose of the inspections was to ensure the recipients were in compliance with all ARRA requirements including Davis-Bacon, Buy America, Jobs Reporting, Green Project Reserve, and Poster/logo requirements. A memo was generated after each inspection to summarize the findings.

# On-site Compliance at Ford Motor Company Kansas City Assembly Plant and Stamping Plant, Claycomo, Missouri, 2013

Ms. Mitchell provided environmental support during a large-scale remediation project at the former Ford Paint Kitchen. Tasks included conducting oversight of excavation activities, performing field screenings, and preparing and dispensing load tickets for proper hazardous material disposal.

#### **Hazardous Materials Surveys**

Environmental Assessment Services, Flood Damaged Homes – Cedar Rapids, Iowa. Ms. Mitchell is licensed in the state of Iowa as an asbestos inspector. Ms. Mitchell completed asbestos surveys, mold identification and household hazardous waste identification on approximately 1,000 flood damaged homes in the

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Cedar Rapids, Iowa area. Ms. Mitchell is responsible for the following tasks: hazardous materials survey report preparation and upload to a Share Point website; close-out post remediation report preparation, organization and filling of all field sheets, lab results, and sample chain of custodies; conducted sample result interpretation; and finally development of all files and field sheets needed for the oversight of the remediation of the hazardous materials in the homes prior to their demolition.

#### **Environmental Assessment Services, AMC Entertainment Inc.**

Ms. Mitchell has conducted asbestos inspections at AMC movie theaters throughout the United States. Tasks included conducting a non-destructive asbestos inspection, gathering photographic evidence, and compiling a report based on the laboratory results.

Former Missouri State Prison, Targeted Brownfields Assessment – Jefferson City, Missouri. Ms. Mitchell is licensed in the state of Missouri as an asbestos inspector. Ms. Mitchell was a part of a project team that completed a full hazardous materials inspection on the approximately 745,000 square foot 40 building complex. The inspection started with a Phase I ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed. She also helped with the final deliverables preparation required for the contract.

Rockhill Greens Redevelopment, Targeted Brownfields Assessment – Kansas City, Missouri. Ms. Mitchell is licensed in the state of Missouri as an asbestos inspector. Ms. Mitchell was a part of a project team that completed a full hazardous materials survey on the approximately 100,000 square foot 7 building complex. The inspection started with a Phase I ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed. She also helped with the final deliverables preparation required for the contract.

Horace Mann School, Missouri Voluntary Cleanup Program – Kansas City, Missouri. Ms. Mitchell is licensed in the state of Missouri as an asbestos inspector. She acted as an asbestos inspector and Missouri Air Sampling Technician for the contract. Ms. Mitchell assisted in developing an Analysis to Brownfields Cleanup Alternatives (ABCA) to evaluate the remediation options (including costs) for the removal of the hazardous materials identified in the 3-Story 50,000 square foot building prior to the demolition activities. Ms. Mitchell then assisted in developing a Remedial Action Plan (RAP) for the removal of the hazardous materials identified based on the preferred option listed in the ABCA. The ABCA and the RAP are the first steps in the process to complete the Missouri Brownfields Voluntary Cleanup Program (MBVCP), which is a Brownfields program in the State that provides funding for renovations projects. Ms. Mitchell was part of the team that provided oversight, along with air monitoring and clearance sampling for the removal of the hazardous materials.

#### Indian Springs Mall Redevelopment, Targeted Brownfields Assessment – Kansas City, Kansas.

Ms. Mitchell is licensed in the state of Kansas as an asbestos inspector. He acted as an asbestos inspector for the contract. Ms. Mitchell led a team that completed a full hazardous materials inspection on the 4 building complex, encompassing approximately 800,000 square foot. The inspection started with a Phase I and Phase II ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed. Ms. Mitchell provided critical communication with the client.

#### KCMO Schools, Targeted Brownfields Assessment – Kansas City, Kansas

Ms. Mitchell is licensed in the state of Missouri as an asbestos inspector. She acted as an asbestos inspector for the contract. Ms. Mitchell led a team that completed a full hazardous materials inspection on four KCMO schools (Bryant, Blenheim, Graceland and 7 Oaks). The inspections started with a Phase I and Phase II ESA, followed by a full asbestos, lead based paint and mold inspection. Potentially PCB containing caulking was sampled along with an inventory and categorization of all household hazardous waste in the buildings was completed.

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Ms. Mitchell provided critical communication with the client. She also wrote the final deliverables required for the contract.

#### Seven Oaks School Redevelopment Project - Kansas City, Missouri

Ms. Mitchell is licensed in the state of Missouri as an asbestos inspector. She provided technical services for the contract. Ms. Mitchell conducted Phase I ESA, Radon Testing and a Vapor Encroachment Screening for the 3-Story 40,000 square foot building in anticipation of renovations for senior housing at the site. Once this was complete, Ms. Mitchell assisted in developing Bid Plans and Specifications for the remediation phases of the project, which included, asbestos, LBP and hazardous waste.

# Environmental Assessment Services, City of Kansas City, MO, 63<sup>rd</sup> and Prospect Redevelopment Area, Kansas City, Missouri (2013-2014)

Ms. Mitchell conducted asbestos inspections at over 100 former residential parcels in the 63<sup>rd</sup> and Prospect Redevelopment area. Tasks included obtaining soil samples, cataloguing household hazardous waste, and verifying parcel locations with a land survey. In addition, Ms. Mitchell conducted DPT soil and groundwater sampling at several former commercial parcels.

# Hazardous Materials Survey, Ford Motor Company Kansas City Assembly Plant and Stamping Plant, Claycomo, Missouri, 2013

Ms. Mitchell was part of a team that conducted an asbestos inspection of 75% of the Ford Assembly Plant as well as the accessory and support buildings. Tasks included sampling plan development, sample collection and analysis, implementation of a material damage ranking, and field documentation. Ms. Mitchell consolidated all the findings from the assessment into a report deliverable, which included sample results, interpretation, recommendations, and detailed figures. Ms. Mitchell is currently on call for hazardous material sampling when the need arises for the client. Each year a re-inspection is performed at the plant to assess the damage of asbestos containing materials.

#### Hazardous Materials Survey – Hickam Air Force Base, Honolulu, Hawaii

Ms. Mitchell assists the Program Manager, providing critical communication with the client and providing guidance in following all regulatory guidelines for the project. Ms. Mitchell also directs field sampling teams collecting asbestos and lead based paint samples. She also assists with writing and reviewing the final deliverables required for the contract.

Kipapa Tunnels Munitions Response Site Asbestos Surveys, Mililani, Hawaii, U.S. Army Corps of Engineers (USACE), Huntsville Division. Ms. Mitchell served as an asbestos inspector for this project. The USACE completed a remedial investigation/feasibility study for 80 storage tunnels that were formerly used by the U.S. Army to store chemical agent, munitions, ordnance, and other hazardous/toxic waste. Many of the storage tunnels have been sealed and inaccessible for over 30 years. She served as field team member and assisted with sampling activities in Level C PPE over a period of approximately 6 months. During the project 909 bulk asbestos samples, 573 dust samples (via microvac), and 21 asbestos in soil/IDW samples were collected. Ms. Mitchell assisted in writing the final asbestos survey summary report that was incorporated into the remedial investigation report.

#### **Stormwater Management**

# Stormwater Compliance Inspections, Kansas City Phase I, Phase II, and Lee's Summit Pipeline Replacement Project, Missouri Gas Energy, 2013-present

Ms. Mitchell is currently involved in assisting Missouri Gas Energy with maintaining compliance for erosion control along East 107<sup>th</sup> Street in Kansas City, Missouri. Tasks include checking silt fencing, silt socks, and other best

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management practices weekly and after rain events for integrity and compliance. Reports and photologs are generated after each inspection.

# Stormwater Compliance Inspections, Ford Motor Company Kansas City Stamping Plant, Claycomo, Missouri, 2013-present

Ms. Mitchell is currently involved in assisting Ford with maintaining compliance for erosion control and stormwater protection at Ford's Stamping Plant in Liberty, Missouri. Ms. Mitchell inspects best management practices (BMP) in areas predisposed to erosion to determine if stormwater protection is adequate. An inspection report and photolog is generated after each inspection.

#### Stormwater Pollution Prevention Plan, KMW Limited, Various Kansas Locations, 2015-present

Ms. Mitchell is the project manager for stormwater pollution prevention plan (SWPPP) projects for KMW plants located in Sterling, Great Bend, and Lyons, Kansas. Ms. Mitchell performs the yearly SWPPP inspections and updates the SWPPPs for each facility. She also assists the Sterling, Kansas facility with facilitating and reporting pretreatment monitoring requirements to the Kansas Department of Health and Environment on a quarterly basis.

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#### **ADDITIONAL EXPERIENCE**

MS Excel, MS Word, MS Outlook, MS PowerPoint, and ArcGIS

#### **EMPLOYMENT HISTORY**

2010 - Present Environmental Scientist, Tetra Tech, Kansas City, Missouri





# Ann Marie Pohlman Environmental Scientist

#### **EXPERIENCE SUMMARY**

Ms. Pohlman is a project manager and environmental scientist providing technical and administrative support for clients in the government and private sectors. Project support includes project and task management; environmental media sampling; health and safety monitoring; technical report writing; quality assurance and quality control for technical documents; project planning; and client communication.

Most of Ms. Pohlman's experience is with START Region 7 for EPA regarding lead remediation at residential properties.

#### **RELEVANT EXPERIENCE**

#### U.S. EPA Region 7

**Sporlan Valve Plant #1 Site, Washington, MO, 2016-present.** Ms. Pohlman performs indoor air sampling using summa canisters with regulators inside residences to determine TCE and other VOCs exposure inside the residence, if any. Also performs sampling of shallow soil gas, monitoring wells, oversight of a subcontractor installing vapor mitigation systems (VMS) and confirmatory sampling due to a PRP. Also, performs laboratory preparation of samples. Ms. Pohlman prepares reports documenting analytical results from site activities.

#### Herculaneum Lead Smelter, Herculaneum, MO, 2008-present.

Ms. Pohlman, project manager, performs oversight of a subcontractor excavating and re-sampling yards due to a PRP. Works with subcontractor to ensure residential sampling is being performed according to QAPP and correct section of yards are being excavated and PRP collecting confirmation samples after excavation. Also, performs laboratory preparation of samples. Ms. Pohlman prepared a trip report regarding site activities through the end of 2016.

**SW** Jefferson County Lead Site, Jefferson County, MO, 2013-present. Ms. Pohlman prepared a QAPP under the remedial contract and gained access and collected soil and water samples from residential properties, schools, and daycares in Jefferson County to determine if there was lead contamination from the mining that occurred in the past and/or that been hauled to homeowners for fill. Also sampled properties along Big River to determine amount of lead contamination. Used a Niton XRF to locate sample areas and amount of contamination, if any. Performed laboratory preparation of samples. Also, prepared results letters to homeowners.

Greater St. Louis Subarea Contingency Planning, 2012-present. Ms. Pohlman organizes and participates in meetings for the St. Louis Subarea. Ms. Pohlman records notes, prepares meeting minutes and distributes meeting minutes to the group.

#### **EDUCATION**

B.S., Biology: Ecology, Evolution, & Environment, Southern Illinois University-Edwardsville, 2002

#### **AREA OF EXPERTISE**

Project management

Environmental media sampling

Health and safety monitoring

Technical reporting/review

#### REGISTRATIONS/ AFFILIATIONS

NA

#### TRAINING/ CERTIFICATIONS

40-hour OSHA HAZWOPER with 8-hour Refreshers

8-hour Supervisor

First Aid/CPR/AED

Niton XRF Spectrum Analyzer Manufacturer's Training Course

8-hour Basic Radiation Safety Course

8-hour Advanced Radiation Safety Course

**Dangerous Goods** 

#### **OFFICE**

Fenton, MO

#### YEARS OF EXPERIENCE

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#### **CONTACT**

816-412-1961 annmarie.pohlman@tetratech.com Résumé Ann Marie Pohlman

**Equipment Maintenance, 2012-present.** Ms. Pohlman inventoried all of the equipment for EPA and calibrates the equipment and updates the national database on a monthly basis.

West Alton TCE Wells Site, West Alton, MO, 2014-2016. Ms. Pohlman, project manager, performs indoor residential well sampling to determine the amount of TCE in private wells after filter installation by ERRS. Also performed laboratory preparation of samples. Prepared final report for EPA.

Jefferson County Lead Site, Jefferson County, MO, 2006-2011. Ms. Pohlman gained access and collected soil and water samples from homeowners in Jefferson County to determine if there was lead contamination from the mining that occurred in the past and/or that been hauled to homeowners for fill. Used a Niton XRF to locate sample areas and amount of contamination, if any. Also, worked with subcontractor excavating yards to ensure correct section of yards being excavated and collect confirmation samples after excavation. Sampled surface water and sediment from public access areas. Performed laboratory preparation of samples. Also, prepared results letters to homeowners.

**Biowatch, St. Louis City and County, MO, 2012-2013.** Ms. Pohlman updated all Biowatch plans located in St. Louis City and St. Louis County. Also, updated the kits located at the fire departments in St. Louis City and St. Louis County.

Adams & Clay Center MWS Groundwater Sites, NE, 2011. Ms. Pohlman prepared a Quality Assurance Project Plan (QAPP), Health and Safety Plan, and final reports for each of these groundwater sites to determine if volatile organic compounds (VOCs) were contaminating private and municipal wells in these areas.

**FUDS in Missouri & Kansas, 2011-2012.** Ms. Pohlman performed a site reconnaissance at two sites in Missouri and one in Kansas at formerly used defense sites (FUDS) to determine if any contamination was present from former defense use activities at the sites. The process included getting access from owners, preparing health and safety plans, taking notes and photographs, and preparing final reports.

**Rotary Drilling Supply Site, Crystal City, MO, 2010-2011.** Ms. Pohlman, project manager, performed sampling where coal fly ash is being used as fill and is in violation of the clean water act. Developed QAPP and Health & Safety Plan. Collected surface and subsurface fly ash fill samples, along with sediment and surface water samples in a nearby drainage pathway and adjacent pond. Samples were analyzed for TAL metals, PAHs, and TCLP metals.

**Viburnum Lead Trend, Viburnum, MO, 2004.** Ms. Pohlman gained access and collected soil samples in yards along major haul routes from Viburnum to determine if there was lead contamination. Used a PDA and a Niton XRF to locate sample areas and amount of contamination, if any. Also, performed laboratory preparation of samples.

**Viburnum Lead Trend, Viburnum, MO, 2005.** Ms. Pohlman provided oversight for the removal of lead contaminated soil in Viburnum, MO. The process involved taking notes and photos, working with the excavation and sampling contractors to ensure correct sections of yards were being excavated and confirmation samples were being collected.

**Mercury Emergency Response, Charleston, MO, 2006.** Ms. Pohlman assisted with a mercury emergency response. Used Lumex and Jerome instruments to determine mercury levels in residences. Checked personal items such as coats and shoes for mercury levels and bagged these and other items that were above the specified limit.

**Flood Recovery, St. Louis County, MO, 2008.** Ms. Pohlman assisted with the inventory of items recovered during the flood of 2008 in St. Louis County, MO. Assisted in the identifying of unknown drums recovered by response teams. Items recovered were categorized, given an identification number, and segregated at the staging area.

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Résumé Ann Marie Pohlman

**Des Moines Ex-Ordnance Plant, Ankeny, IA, 2005.** Ms. Pohlman helped survey 25- by 25-foot and 50- by 50-foot sampling grids to collect soil samples. Approximately 170 samples were collected from the grids. Samples were also collected in lagoons located on the property. Ms. Pohlman also performed laboratory preparation of samples.

**Washington County Lead Site, Washington County, MO, 2004.** Ms. Pohlman gained access and collected soil and water samples from homeowners in Washington County to determine if there was lead contamination from the mining that occurred in the past. Used a PDA and a Niton XRF to locate sample areas and amount of contamination, if any. Also, performed laboratory preparation of samples.

**Franklin County Lead Site, Franklin County, MO, 2006-2007.** Ms. Pohlman gained access and collected soil and water samples from homeowners in Franklin County to determine if there was lead contamination from the former mines and smelters in the area. Used a Niton XRF to locate sample areas and amount of contamination, if any. Sampled surface water and sediment from creeks. Also, performed laboratory preparation of samples.

**Madison County Lead Site, Fredericktown, MO, 2006.** Ms. Pohlman collected soil samples from homeowners in Madison County to determine if there was lead contamination. Used Niton XRF to determine amount of contamination, if any. Also, worked with subcontractor excavating yards to ensure correct section of yards being excavated and collect confirmation samples after excavation.

#### **Private Sector**

Phase I ESAs in Missouri, Illinois, Indiana, and Minnesota, 2017-2018. Ms. Pohlman has performed Phase I ESAs for private clients and telecommunications sites in Missouri, Illinois, Indiana, and Minnesota. The Phase I process includes records review, site reconnaissance, interviews, and report preparation. Also includes investigating the need for further assessment due to recognized environmental conditions.

Phase I ESAs in Missouri and Illinois, 2004-2013. Ms. Pohlman has performed Phase I ESAs for Verizon Wireless, Regions Bank, and Bank of America in Missouri and Illinois. The Phase I process includes records review, site reconnaissance, interviews, and report preparation. Also includes investigating the need for further assessment due to recognized environmental conditions.

**Phase I ESAs in Indiana, Kentucky, and Tennessee, 2007-2008.** Ms. Pohlman has performed Phase I ESAs for Kroger in Indiana, Kentucky, and Tennessee. The Phase I process includes records review, site reconnaissance, interviews, and report preparation. Also includes investigating the need for further assessment due to recognized environmental conditions.

Private Chemical Manufacturer - Watershed Sampling, Various locations in Missouri and Illinois, 2004. Ms. Pohlman was responsible for collecting watershed samples in creeks at three locations in Missouri and Illinois on an every four day cycle. This was done by using sophisticated sample and data collection instrumentation (ISCO, LaMotte and Quanta). Ms. Pohlman performed real time data entry using a Personal Digital Assistant (PDA), which was downloaded on a personal computer and uploaded to an internet site to eliminate data gaps. She was also responsible for downloading monthly weather station downloads using a PDA, managing all samples for lab analysis, as well as ensuring budget and supply goals were met.

**Missouri Use Attainability Analysis (UAA)-Kansas City and St. Joseph, MO, 2005.** Ms. Pohlman observed rivers and creeks to determine their use near Kansas City and St. Joseph, MO. Took measurements and observed color, odor, and deposits on surface and bottom of the bodies of water. Also took pictures and GPS coordinates.

Private Chemical Manufacturer - Third Party Asbestos Abatement Oversight, Louisiana, MO, 2003.

Ms. Pohlman was responsible for third party asbestos abatement oversight in Louisiana, MO. She performed air sampling on workers and area monitoring to ensure worker safety required by OSHA. Ms. Pohlman was also responsible for tabulating air data results.

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Résumé Ann Marie Pohlman

Private Developer - Remediation of Heavy Metal and PCB Contaminated Soil, St. Louis, MO, 2004.

Ms. Pohlman was responsible for performing environmental media characterization and clearance sampling for soil and air during the removal of heavy metals and PCB contaminated soil. Her experience included working with a Niton XRF for lead testing and performing Chlor-N-Soil tests for PCB analysis. She was also responsible for tabulating sample and data management, as well as project cost tracking.

**U.S. Army Reserves (USAR) - Granite City, IL, 2003-2004.** As part of a PA/SI, Ms. Pohlman prepared for complete sampling event mobilization. Collected data for soil boring samples including field log preparation and sample management. Ms. Pohlman utilized GPS to locate soil boring samples, surface soil samples, and manholes. Also performed laboratory preparation of samples and took photos. She also located sources of water (e.g. - drains, sinks, etc. in vacant buildings around the site). Ms. Pohlman also performed oversight of TV inspections for sewers and catch basins.

**U.S. Army Charles Melvin Price Support Center (CMPSC), Granite City, IL, 2003-2004.** Firing Range Lead Cleanup Granite City, IL – Ms. Pohlman assisted with a cleanup at a firing range and was responsible for performing air monitoring to ensure worker protection to lead and other particulates as required by OSHA. Ms. Pohlman was also responsible for tabulating air data results and managing environmental media samples.

Phase I Environmental Site Assessment (ESA), Manufacturing Site Use History (MSUH), Regulated Building Materials Survey (RBMS)-Ford Motor Company-St. Louis Assembly Plant (SLAP), Hazelwood, MO, 2006. Ms. Pohlman assisted in collecting information and data for the Phase I ESA, MSUH and RBMS for the SLAP.

#### SCIENTIFIC/TECHNICAL PUBLICATIONS

NA

#### **ADDITIONAL EXPERIENCE**

MS Excel, MS Word, MS Outlook, MS Access, Google Earth

#### **EMPLOYMENT HISTORY**

2018 – Present	Environmental Scientist, Tetra Tech, Inc., Fenton, Missouri
2017 – 2018	Project Scientist, Trileaf Corporation, St. Louis, Missouri
2017 – 2017	Environmental Scientist/Administrative Assistant, ATON, LLC, St. Louis, Missouri
2003 – 2017	Environmental Scientist, Tetra Tech, Inc., Fenton, Missouri

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# APPENDIX I PROPERTY PROFILE FORM



# United States ENVIRONMENTAL PROTECTION AGENCY Washington, DC 20460

Form Approved OMB Number No. 2050-0192 Expires 07-31-2012

#### PROPERTY PROFILE FORM—Brownfields

Public reporting burden for this collection of information is estimated to average 1.50 hours per response, including the time for reviewing instructions, searching data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to the Environmental Protection Agency, Office of Environmental Information, Code 2822T, Washington, DC 20460 and to the Paperwork Reduction Project, Office of Management and Budget, Washington, DC 20503. DO NOT RETURN your form to either of these addresses. Send your completed form to the address provided by the issuing office.

20503. DO NOT F	RETURN your form to e	either of these addre	esses. Send your	completed form to the address pro	ovided by the issuing office.
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City	of Wildwood				
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Revolving	g Loan Fund		TBA (EPA Re	gions Only)	
Cleanup  4. For Assessment, Cleanup this property?	eanup, and Revo	lving Loan Fun	d cooperative	e agreements, what type o	of funding is being used at
Hazardous S	ubstance		Petroleum		Both
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Initial Form	■ Upda	ated Form			
		PROPERTY B	ACKGROUN	ID INFORMATION	
6. Property Name:			Ca	Ilahan Property	
7a. Street Address:	210 Str	ecker Road		<b>7b</b> . City:	Wildwood
<b>7c</b> . County:	St. Louis	<b>7d.</b> State:	MO	<b>7e.</b> Zip code:	63011
8. Size (in acres):	7.51	_		9. Parcel Number(s):	22U220242
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NAD83-North American Datum of 1983

# **PART II- ENVIRONMENTAL ACTIVITIES**

ENVIRONMENTAL ASSESSMENT INFORMATION (mandatory for Assessment Cooperative Agreements, State & Tribal Property-Specific Assessments, and TBAs; as available for Cleanup and RLF cooperative agreement recipients; CA = Cooperative Agreement)

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#### PART II- ENVIRONMENTAL ACTIVITIES (continued) INSTITUTIONAL & ENGINEERING CONTROLS INFORMATION (mandatory for all cooperative agreement types) No Unknown Yes **19a.** Indicate whether Institutional Controls are required: **19b.** If Institutional Controls were required, indicate the category (check all that apply): Governmental Controls (e.g., zoning, building codes) Proprietary Controls (e.g., easements, covenants) Enforcement/Permit Tools (e.g., permits, Informational Devices (e.g., state registries, deed notices) consent decrees) Additional Institutional Controls Information: Subject property currently consists of mostly undeveloped wooded and pasture land. A barn, pond, and gravel driveway are located on the subject property. Address of Data Source (URL if available): **19c.** Indicate whether Institutional Controls in place: Yes No Date: **20a.** Indicate whether Engineering Controls are required: Yes Unknown **20b.** If Engineering Controls were required, indicate the category (check all that apply): Immobilization Process (e.g., Cover Technologies (e.g., Capping) Engineered Barriers (e.g., Encapsulation, In-Situ Solidification) Slurry Walls, Sheet) Security (e.g., Guard, Other Fences) Additional Engineering Controls Information: Address of Data Source (URL if available): **20c.** Indicate whether Engineering Controls in place: Yes No. Date: REDEVELOPMENT AND OTHER LEVERAGED ACCOMPLISHMENTS (Mandatory for Assessment, Cleanup and RLF Cooperative Agreements; as available for State and Tribal Property Specific Activities and TBAs) **21.** Redevelopment Start Date: **22.** Redevelopment Completion Date: Table D- Redevelopment Leveraged Funding Detail Source of Funding (enter one source of funding per line; do not include funding received prior to the award of this EPA Cooperative Agreement) Private/ Amount of Funding Other Local Name of Entity Providing Funds Expended on this Activity Federal State/Tribal Gov't Other 23. Number of Redevelopment Jobs Leveraged: 24. Future Use and Estimated Acreage (check all that apply; For properties with multi-story buildings only, please indicate also the square footage for each type of reuse (e.g. a three story building with first floor commercial and remaining floors residential). Multi-story building Greenspace acres sq. ft. acres \_\_\_\_ Commercial sq. ft. Residential 7.51 acres sq. ft. Industrial acres **25.** Actual Acreage(s) and Type(s) of Greenspace Created: Residential properties

# **PART II- ENVIRONMENTAL ACTIVITIES (continued)**

# ANECDOTAL PROPERTY INFORMATION (as available for all cooperative agreement types)

26	Property	Liahi	iahta
20.	riobelly	HIUITI	แนกเธ

The subject property is 7.51-acres and currently consists of mostly undeveloped wooded and pasture land. A barn, pond, and
gravel driveway are also located on the subject property. Plans for the site include turning the property into residential housing.
Drums and associated contaminated subsurface soil were remediated in two separate removals. One occurred in 1983 and
the other occurred in 2012. Based on the historic contamination present on the subject property and its listing on the NPL,
these pose an HREC to the subject property. Historical documents revealed that the barn was built between 1980 and 1986.

PROPERTY PHOTOGRAPH INFORMATION							
27. Indicate whether photogra	phs are available:	Yes No	<b>28.</b> Inc	licate whether vi	deo is available:	Yes	No
	PART III- AI	DDITIONAL F	PROP	ERTY INFOR	RMATION		
PROPERTY HISTORY INFORMATION							
29. Property Description / History / Past Ownership:							
Historical documentation id constructed on the property			ped woo	oded and pastur	e land. A pond and	d barn ha	ve been
<b>30.</b> Predominant Past Use(s) (check all that apply; For properties with multi-story buildings only, please indicate also the square footage for each type of reuse (e.g. a three story building with first floor commercial and remaining floors residential):							
Multi-story building	g						
Greenspace	<u>7.51</u> acres	sq	. ft. 🔳 C	Commercial	acres		sq. ft.
Residential	acres	sq	. ft. 📗 I	ndustrial	acres		_sq. ft.
OWNERSHIP & SUPERFUND LIABILITY (Mandatory for Cleanup and RLF Cooperative Agreements)							
31a. Ownership Entity:				31b. Current Owner:			
Government (Tribal, State, Local)				Debbie Shelton, Jean E. Callahan Trustee			
<b>32a.</b> During the life of the cooperative agreement, did ownership change?				<b>32b.</b> If "yes," did Superfund federal landowner liability protections factor into the ownership change?			
Yes	■ No			Yes	■ No		Unknown
		PART IV-	APPR	OVALS			
33. Cooperative Agreeme Name (please print):	nt Recipient Proj	_	gnature			Date:	
<b>34. US EPA Regional Rep</b> Name (please print):	resentative	Siç	gnature			Date:	